



CARD14 (NM_024110.4) - cDNA + Protein - 2024-05-13

GCTCTTCCTT CTGCCCAGCT CCGTCCCACC CAGCAGCCCG CAGAGAAAGG -119
AGGCAGCTGG CACCACACTG GGCTTTGGAG AACTGCGGG GACTGTGGAC -69
CCCACCCTGC TGCACGGAGC TCCTGCAAAA GCAAACCTGA GAACCTTGGG -19
TCCTCCCAGC GCCCAGCCAT GGGGGAAGTG TGCCGCAGGG ACTCCGCACT 32
Me tGlyGluLeu CysArgArgA spSerAlaLe 11

CACGGCACTG GACGAGGAGA CACTGTGGGA GATGATGGAG AGCCACCGCC 82
uThrAlaLeu AspGluGluT hrLeuTrpGl uMetMetGlu SerHisArgH 28

ACAGGATCGT ACGCTGCATC TGCCCCAGCC GCCTCACCCC CTACCTGCGC 132
isArgIleVa lArgCysIle CysProSerA rgLeuThrPr oTyrLeuArg 44

CAGGCCAAGG TGCTGTGCCA GCTGGACGAG GAGGAGGTGC TGCACAGCCC 182 C50Y
GlnAlaLysV alLeuCysGl nLeuAspGlu GluGluValL euHisSerPr 61

CCGGCTCACC AACAGCGCCA TGCGGGCCGG GCACTTGCTG GATTGCTGA 232 R62Q R69W R69Q
oArgLeuThr AsnSerAlaM etArgAlaGl yHisLeuLeu AspLeuLeuL 78

AGACTCGAGG GAAGAACGGG GCCATCGCCT TCCTGGAGAG CCTGAAGTTC 282 K78N K93Q
ysThrArgGl yLysAsnGly AlaIleAlaP heLeuGluSe rLeuLysPhe 94

CACAACCCTG ACGTCTACAC CCTGGTCACC GGGCTGCAGC CTGATGTGA 332 V110A

HisAsnProA spValTyrTh rLeuValThr GlyLeuGlnP roAspValAs 111

CTTCAGTAAC TTTAGC**G**GTTC TC**A**TGGAGAC ATCCAAGC**T**G ACCGAGT**G**CC 382 [G117S](#) [M119V](#) [M119R](#) [M119T](#) [M119K](#) [T121I](#) [L124P](#) [C127S](#)

pPheSerAsn PheSerGlyL euMetGluTh rSerLysLeu ThrGluCysL 128

TGGCTGGGGC CATCGGCAGC CTGC**A**GGAG**G** **A**GCTGAACCA GGAAAAGGGG 432 [Q136L](#) [E138del](#) [E138K](#) [E138A](#)

euAlaGlyAl aIleGlySer LeuGlnGluG luLeuAsnGl nGluLysGly 144

CAGAAGGAGG TGC**T**GC**T****G**CG GCGGT**G**CCAG CAGC**T**GC**A**GG AGCACCTGGG 482 [L149R](#) [L150R](#) [R151W](#) [R151Q](#) [C153S](#) [L156P](#) [Q157P](#)

GlnLysGluV alLeuLeuAr gArgCysGln GlnLeuGlnG luHisLeuGl 161

CCTGGCCGAG ACCC**G**TGCCG AGGGCCTGCA CCAGCTGGAG GCT**G**ACCACA 532 [R166H](#) [D176H](#)

yLeuAlaGlu ThrArgAlaG luGlyLeuHi sGlnLeuGlu AlaAspHisS 178

GCC**G**CATGAA **G**CGTGAGGTT AGCGCACACT TCCATGAGGT GCTGAGGCTG 582 [R179H](#) [R182C](#)

erArgMetLy sArgGluVal SerAlaHisP heHisGluVa lLeuArgLeu 194

AAGGAC**G**AGA TGCTCA**G**CCT CTCGCTGCAC TATAGCAATG CGC**T**GCAGGA 632 [E197K](#) [S200N](#) [L209P](#)

LysAspGluM etLeuSerLe uSerLeuHis TyrSerAsnA laLeuGlnGl 211

GAAGGAGCTG GCC**G**CCCTCA**C** GCTGCCGCAG CCTGCAGGAG GAGCTGTATC 682 [A216T](#) [R218C](#)

uLysGluLeu AlaAlaSerA rgCysArgSe rLeuGlnGlu GluLeuTyrL 228

TACTGAAGCA GGAGCTGCAG CGAGCCAACA TGGTTTCCTC CTGTGAGCTG 732

euLeuLysGl nGluLeuGln ArgAlaAsnM etValSerSe rCysGluLeu 244

GAATTGCAAG AGCAGTCCCT GAGGACA**G**CC AGCGACCAGG AGTCCGGGGA 782 [A254T](#)

GluLeuGlnG luGlnSerLe uArgThrAla SerAspGlnG luSerGlyAs 261

TGAGGAGCTG AACCGCCTGA AGGAGGAGAA TGAGAACTG CGCTCGCTGA 832 [R266C](#)

pGluGluLeu AsnArgLeuL ysGluGluAs nGluLysLeu ArgSerLeuT 278

CTTTCAGCCT GCGGGAGAAG GACATTCTGG AGCAGAGCCT GGACGAGGCG 882

hrPheSerLe uAlaGluLys AspIleLeuG luGlnSerLe uAspGluAla 294

CGGGGGAGCC GACAGGAGCT GGTGGAGCGC ATCCACTCGC TCGGGGAGCG 932 [R298*Stop](#) [R304C](#) [R311W](#)

ArgGlySerA rgGlnGluLe uValGluArg IleHisSerL euArgGluAr 311

GGCCGTGGCT GCCGAGAGGC AGCGAGAGCA GTACTGGGAA GAGAAGGAAC 982 [R319Q](#)

gAlaValAla AlaGluArgG lnArgGluGl nTyrTrpGlu GluLysGluG 328

AGACCCTGCT GCAGTTCCAG AAGAGTAAGA TGGCCTGCCA ACTCTACAGG 1032 [M338V](#)

lnThrLeuLe uGlnPheGln LysSerLysM etAlaCysGl nLeuTyrArg 344

GAGAAGGTGA ATGCGCTGCA GGCCAGGTG TGCAGAGCTGC AGAAGGAGCG 1082 [L350P](#) [V354M](#)

GluLysValA snAlaLeuGl nAlaGlnVal CysGluLeuG lnLysGluAr 361

AGACCAGCG TACTCCGCGA GGGACAGTGC TCAGAGGGAG ATTTCCCAGA 1132 [A364V](#)

gAspGlnAla TyrSerAlaA rgAspSerAl aGlnArgGlu IleSerGlnS 378

GCCTGGTGGG GAAGGACTCC CTCCGCAGGC AGGTGTTCTGA GCTGACGGAC 1182

erLeuValGl uLysAspSer LeuArgArgG lnValPheGl uLeuThrAsp 394

CAGGTCTGCG AGCTGCGCAC ACAGCTTCGC CAGCTGCAGG CAGAGCCTCC 1232

GlnValCysG luLeuArgTh rGlnLeuArg GlnLeuGlnA laGluProPr 411

GGGTGTGCTC AAGCAGGAAG CCAGGACCAG GGAGCCCTGT CCACGGGAGA 1282 T420A E422K

oGlyValLeu LysGlnGluA laArgThrAr gGluProCys ProArgGluL 428

AGCAGCGGCT GGTGCGGATG CATGCCATCT GCCCCAGAGA CGACAGCGAC 1332 R430W

ysGlnArgLe uValArgMet HisAlaIleC ysProArgAs pAspSerAsp 444

TGCAGCCTCG TCAGCTCCAC AGAGTCTCAG CTCTTGTCGG ACCTGAGTGC 1382

CysSerLeuV alSerSerTh rGluSerGln LeuLeuSerA spLeuSerAl 461

CACGTCCAGC CGCGAGCTGG TGGACAGCTT CCGCTCCAGC AGCCCCGCGC 1432

aThrSerSer ArgGluLeuV alAspSerPh eArgSerSer SerProAlaP 478

CCCACAGCCA GCAGTCCCTG TACAAGCGGG TGGCCGAGGA CTTCGGGGAA 1482 P479R

roProSerGl nGlnSerLeu TyrLysArgV alAlaGluAs pPheGlyGlu 494

GAACCCTGGT CTTTCAGCAG CTGCCTGGAG ATCCCGGAGG GAGACCCGGG 1532 c.1488del P506L A512Sfs*6

GluProTrpS erPheSerSe rCysLeuGlu IleProGluG lyAspProGl 511

AGCCCTGCCG GGAGCTAAGG CAGGCGACCC ACACCTGGAT TATGAGCTCC 1582 A512T

yAlaLeuPro GlyAlaLysA laGlyAspPr oHisLeuAsp TyrGluLeuL 528

TAGACACGGC AGACCTTCCG CAGCTGGAAA GCAGCCTGCA GCCAGTCTCC 1632 L528P

euAspThrAl aAspLeuPro GlnLeuGluS erSerLeuGl nProValSer 544

CCTGGAAGGC TTGATGTCTC GGAGAGCGGC GTCCTCATGC GGC GGAGGCC 1682 R547S V555I

ProGlyArgL euAspValSe rGluSerGly ValLeuMetA rgArgArgPr 561

AGCCCGCAGG ATCCTGAGCC AGGTCACCAT GCTGGCGTTC CAGGGGGATG 1732

oAlaArgArg IleLeuSerG lnValThrMe tLeuAlaPhe GlnGlyAspA 578

CATTGCTGGA GCAGATCAGC GTCATCGGCG GGAACCTCAC GGGCATCTTC 1782 [T591M](#)

laLeuLeuGl uGlnIleSer ValIleGlyG lyAsnLeuTh rGlyIlePhe 594

ATCCACCGGG TCACCCCGGG CTCGGCGGCG GACCAGATGG CCTTGCGCC 1832 [P600L](#) [S602L](#) [A603V](#) [R610H](#)

IleHisArgV alThrProGl ySerAlaAla AspGlnMetA laLeuArgPr 611

GGGCACCCAG ATTGTGATGG TTGATTACGA AGCCTCAGAG CCCTTGTTCA 1882

oGlyThrGln IleValMetV alAspTyrGl uAlaSerGlu ProLeuPheL 628

AGGCAGTCCT GGAGGACACG ACCCTGGAGG AGGCCGTGGG GCTTCTCAGG 1932 [A639G](#)

ysAlaValLe uGluAspThr ThrLeuGluG luAlaValGl yLeuLeuArg 644

AGGGTGGACG GCTTCTGCTG CCTGTCTGTG AAGGTCAACA CGGACGGTTA 1982 [G648S](#)

ArgValAspG lyPheCysCy sLeuSerVal LysValAsnT hrAspGlyTy 661

TAAGAGGCTA CTCCAGGACC TGGAGGCCAA AGTGGCGACC TCGGGGGACT 2032

rLysArgLeu LeuGlnAspL euGluAlaLy sValAlaThr SerGlyAspS 678

CATTCTACAT CCGGGTCAAC CTGGCCATGG AGGGCAGGGC CAAAGGGGAG 2082 [R682W](#)

erPheTyrIl eArgValAsn LeuAlaMetG luGlyArgAl aLysGlyGlu 694

CTGCAGGTGC ATTGCAACGA GGTCTGCAC GTCACCGACA CCATGTTCCA 2132

LeuGlnValH isCysAsnGl uValLeuHis ValThrAspT hrMetPheGl 711

GGGCTGCGGC TGCTGGCATG CCCACCGCGT GAACTCTTAC ACCATGAAGG 2182 [Y724*Stop](#)

nGlyCysGly CysTrpHisA laHisArgVa lAsnSerTyr ThrMetLysA 728

ATACTGCCGC GCACGGCACC ATCCCCAACT ACTCCAGGGC TCAGCAGCAG 2232
spThrAlaAl aHisGlyThr IleProAsnT yrSerArgAl aGlnGlnGln 744

CTCATAGCCC TCATCCAGGA CATGACTCAG CAGTGCACCG TGACCCGCAA 2282
LeuIleAlaL euIleGlnAs pMetThrGln GlnCysThrV alThrArgLy 761

GCCATCTTCT GGGGGACCAC AGAAGCTGGT CCGCATCGTC AGTATGGACA 2332
sProSerSer GlyGlyProG lnLysLeuVa lArgIleVal SerMetAspL 778

AAGCCAAGGC CAGCCCTCTG CGTTTGTCTT TTGACAGGGG CCAGTTGGAC 2382
ysAlaLysAl aSerProLeu ArgLeuSerP heAspArgGl yGlnLeuAsp 794

CCCAGCAGGA TGGAGGGCTC CAGCACGTGC TTCTGGGCCG AGAGCTGCCT 2432
ProSerArgM etGluGlySe rSerThrCys PheTrpAlaG luSerCysLe 811

CACCCTGGTG CCCTATACCC TGGTGCGGCC CCATCGACCC GCCCGGCCCC 2482 [R820W](#) [R826W](#)
uThrLeuVal ProTyrThrL euValArgPr oHisArgPro AlaArgProA 828

GGCCTGTGCT CCTCGTGCCC AGGGCGGTTG GGAAGATCCT GAGCGAGAAA 2532
rgProValLe uLeuValPro ArgAlaValG lyLysIleLe uSerGluLys 844

CTGTGCGCTCC TCCAAGGGTT TAAGAAGTGC CTGGCAGAGT ACTTGAGCCA 2582 [L847F](#)
LeuCysLeuL euGlnGlyPh eLysLysCys LeuAlaGluT yrLeuSerGl 861

GGAGGAGTAT GAGGCCTGGA GCCAGAGAGG GGACATCATC CAGGAGGGAG 2632
nGluGluTyr GluAlaTrpS erGlnArgGl yAspIleIle GlnGluGlyG 878

AGGTGTCCGG GGGCCGCTGC TGGGTGACCC GCCATGCTGT GGAGTCCCTC 2682 R883H

IuValSerGI yGlyArgCys TrpValThrA rgHisAlaVa lGluSerLeu 894

ATGGAAAAGA ACACCCATGC CCTCCTGGAC GTCCAGCTGG ACAGTGTCTG 2732

MetGluLysA snThrHisAl aLeuLeuAsp ValGlnLeuA spSerValCy 911

CACCCTGCAC AGGATGGACA TCTTCCCCAT CGTCATCCAC GTCTCTGTCA 2782

sThrLeuHis ArgMetAspI lePheProIl eValIleHis ValSerValA 928

ACGAGAAGAT GGCAAAGAAG CTCAAGAAGG GCCTACAGCG GTTGGGCACC 2832 c.2789_2791del

snGluLysMe tAlaLysLys LeuLysLysG lyLeuGlnAr gLeuGlyThr 944

TCAGAGGAGC AGCTCCTGGA GGCTGCGAGG CAGGAGGAGG GAGACCTGGA 2882 E957DEL

SerGluGluG lnLeuLeuGl uAlaAlaArg GlnGluGluG lyAspLeuAs 961

CCGGGCGCCC TGTCTATACA GCAGCCTGGC TCCTGACGGC TGGAGCGACC 2932 D973E

pArgAlaPro CysLeuTyrS erSerLeuAl aProAspGly TrpSerAspL 978

TGGACGGCCT GCTCAGCTGT GTCCGCCAGG CCATCGCCGA CGAGCAGAAG 2982

euAspGlyLe uLeuSerCys ValArgGlnA laIleAlaAs pGluGlnLys 994

AAGGTGGTGT GGACGGAGCA GAGCCCCGA TGATGCACCG TGCCCCCTCC *17

LysValValT rpThrGluGl nSerProArg Stop

CGGGACTGTG GGGGCTTCTG TGTGCCTGTT AATGCAGTCC TGTTCCTCAG *67 *18C>T *19G>A

CCCAGGCCCT CTTGGCACAG CTGTGGGCTC CTTGGCACAT GAGGCCGGCT *117

CTCCCCACTG GCTGGGGTCT AACCTTGAAC CCTCACCACG TGCAGGTCAC *167

ACACAGTGAA GCCACTTGTA ACTGCACACT TTTCTGTGGA AACATCTTCA *217

CCCTTTACCA GGCTTGGCAT GGTCTGAACT GGAAACCCTG AGAATGTTTC *267
TGCAGTGGGA CAGGAGGGAC GTCTTCCCAT GCCTTCCCTA GAACCGGAGG *317
CCCCGGACTT CTCTGAAAAA CCGCCTGTCT GCAGGCCCGA TTCAAATCTA *367
TGGGGGCTGC ACTTCCCTTT TACATTTTGA TGTGTCAAAG GCTTTTGGAG *417
TGACCAAAAG CACAGAGGCA GCGGGTGGGG CGCCTGGGTG GTCCCCAAGG *467
TCGCTGCCAC CTTTGGCCGG GGCAGAGGCA GAAGCCCACA TATGCTGTGA *517
CGCTGGCCAC CTTTTCTCAG CTTCTGAGGC TGCATGCCT CAGGAACTCC *567
AGTTTACAGA GACCAGTGTG TTTACTTGTA AATAAAGCCT CTGCGTGGTG *617
GAGACGGTAC TTTCAGTGGG TCTGTGCCCC GTGGCCCCTG TGCCTGTTCC *667
GTGGGGGTGT CCCAGAGAAG CCTGGCACCA GTACCCCCGT ACAAGGCCCA *717
GCGGACTCTG CCTTCCCCTG ACCTGGCTTT GCACCCCAGC CCTTCTTGGG *767
CCAAACATCT TTA CTCCACC TTCAGGGCTC GGGGAGGACC CAGGTCCGCC *817
AGCACCTGGC CTTGCCCCTG CCTCCTGGGG CTGTTGCAGA CTGAATGTCA *867
TTTTGACAGC AGTGTCCAAG AATCAGGAAG CTGTTCTAGA ATTCAGGTTG *917
GTATCATCAT AAATGAGTTC AGAAAAAGAA CTTCTGTATA TTTACTAAA *967
ATAAAAAGCT TTTACAATA

CARD14 (NM_024110.4) - cDNA + Protein - 2024-05-13

