



*CARD14* (NM\_024110.4) - cDNA + Protein - 2024-06-20

GCTCTTCCTT CTGCCAGCT CCGTCCCACC CAGCAGCCCG CAGAGAAAGG -119  
AGGCAGCTGG CACCACACTG GGCTTTGGAG ACACTGCGGG GACTGTGGAC -69  
CCCACCCCTGC TGCACGGAGC TCCTGCAAAA GCAAACCTGA GAACCTTGGG -19  
TCCTCCCAGC GCCCAGCCAT GGGGGAAC 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 aLeuCysGl nLeuAspGlu GluGluValL euHisSerPr 61

CCGGCTCACC AACAGCGCCA TGCGGGCCGG GCACTTGCTG GATTTGCTGA 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 CTGATGTTGA 332 V110A

HisAsnProA spValTyrTh rLeuValThr GlyLeuGlnP roAspValAs 111

[CTTCAGTAAC](#) [TTTAGCGGTC](#) [TCATGGAGAC](#) [ATCCAAGCTG](#) [ACCGAGTGCC](#) 382 [G117S](#) [M119V](#) [M119R](#) [M119T](#) [M119K](#) [T121I](#) [L124P](#) [C127S](#)

pPheSerAsn PheSerGlyL euMetGluTh rSerLysLeu ThrGluCysL 128

[TGGCTGGGGC](#) [CATCGGCAGC](#) [CTGCAAGGAGG](#) [AGCTGAACCA](#) [GGAAAAGGGG](#) 432 [Q136L](#) [E138del](#) [E138K](#) [E138A](#)

euAlaGlyAl aIleGlySer LeuGlnGluG luLeuAsnGl nGluLysGly 144

[CAGAAGGAGG](#) [TGCTGCTGCG](#) [GCGGTGCCAG](#) [CAGCTGCAAG](#) [AGCACCTGGG](#) 482 [L149R](#) [L150R](#) [R151W](#) [R151Q](#) [C153S](#) [L156P](#) [Q157P](#)

GlnLysGluV aLeuLeuAr gArgCysGln GlnLeuGlnG luHisLeuGl 161

[CCTGGCCGAG](#) [ACCCGTGCCG](#) [AGGGCCTGCA](#) [CCAGCTGGAG](#) [GCTGACCACA](#) 532 [R166H](#) [D176H](#)

yLeuAlaGlu ThrArgAlaG luGlyLeuHi sGlnLeuGlu AlaAspHisS 178

[GCCGCATGAA](#) [GCGTGAGGTT](#) [AGCGCACACT](#) [TCCATGAGGT](#) [GCTGAGGCTG](#) 582 [R179H](#) [R182C](#)

erArgMetLy sArgGluVal SerAlaHisP heHisGluVa lLeuArgLeu 194

[AAGGACGAGA](#) [TGCTCAACCT](#) [CTCGCTGCAC](#) [TATAGCAATG](#) [CGCTGCAGGA](#) 632 [E197K](#) [S200N](#) [L209P](#)

LysAspGluM etLeuSerLe uSerLeuHis TyrSerAsnA laLeuGlnGl 211

[GAAGGAGCTG](#) [GCCGCCTCAC](#) [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](#) [GAGGACAGCC](#) [AGCGACCAGG](#) [AGTCCGGGGA](#) 782 [A254T](#)

GluLeuGlnG luGlnSerLe uArgThrAla SerAspGlnG luSerGlyAs 261

TGAGGAGCTG AACCGCCTGA AGGAGGAGAA TGAGAAACTG 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 GGCCCAGGTG TCGGAGCTGC AGAAGGAGCG 1082 [L350P](#) [V354M](#)  
GluLysValA snAlaLeuGl nAlaGlnVal CysGluLeuG lnLysGluAr 361

AGACCAGGCG TACTCCGCGA GGGACAGTGC TCAGAGGGAG ATTTCCCAGA 1132 [A364V](#)  
gAspGlnAla TyrSerAlaA rgAspSerAl aGlnArgGlu IleSerGlnS 378

GCCTGGTGGG GAAGGACTCC CTCCGCAGGC AGGTGTTCGA GCTGACGGAC 1182  
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GGGTGTGCTC AAGCAGGAAG CCAGGACCAG GGAGCCCTGT CCACGGGAGA 1282 T420A E422K

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ysGlnArgLe uValArgMet HisAlaIleC ysProArgAs pAspSerAsp 444

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CACGTCCAGC CGCGAGCTGG TGGACAGCTT CCGCTCCAGC AGCCCCGCGC 1432

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CCCCCAGCCA GCAGTCCCTG TACAAGCGGG TGGCCGAGGA CTTCGGGGAA 1482 P479R

roProSerGl nGlnSerLeu TyrLysArgV alAlaGluAs pPheGlyGlu 494

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

GluProTrpS erPheSerSe rCysLeuGlu ileProGluG lyAspProGl 511

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CCTGGAAGGC TTGATGTCTC GGAGAGCGGC GTCCCTCATGC GGCGGAGGCC 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 CCTTGCGCCC 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

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rLysArgLeu LeuGlnAspL euGluAlaLy sValAlaThr SerGlyAspS 678

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

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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

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LeuIleAlaL euIleGlnAs pMetThrGln GlnCysThrV alThrArgLy 761

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uThrLeuVal ProTyrThrL euValArgPr oHisArgPro AlaArgProA 828

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rgProValLe uLeuValPro ArgAlaValG lyLysIleLe uSerGluLys 844

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

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

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sThrLeuHis ArgMetAspI lePheProIl eValIleHis ValSerValA 928

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TCAGAGGAGC AGCTCCTGGA GGCTGCGAGG CAGGAGGAGG GAGACCTGGA 2882 E957DEL

SerGluGluG lnLeuLeuGl uAlaAlaArg GlnGluGluG lyAspLeuAs 961

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TGGACGGCCT GCTCAGCTGT GTCCGCCAGG CCATCGCCGA CGAGCAGAAG 2982

euAspGlyLe uLeuSerCys ValArgGlnA laIleAlaAs pGluGlnLys 994

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LysValValT rpThrGluGl nSerProArg Stop

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

CCCAGGCCCT CTTGGCACAG CTGTGGGCTC CTTGGCACAT GAGGCCGGCT \*117

CTCCCCACTG GCTGGGGTCT AACCTTGAAC CCTCACCACG TGCAGGTCAC \*167

ACACAGTGAA GCCACTTGTA ACTGCACACT TTTCTGTGGA AACATCTCA \*217

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

*CARD14* (NM\_024110.4) - cDNA + Protein - 2024-06-20

