

CARD14 (NM_024110.4) - cDNA + Protein - 2026-11-04

```
GCTCTTCCTT CTGCCCAGCT CCGTCCCACC CAGCAGCCCG CAGAGAAAGG -119
AGGCAGCTGG CACCACACTG GGCTTTGGAG ACACTGCGGG GACTGTGGAC -69
CCCACCCTGC TGCACGGAGC TCCTGCAAAA GCAAACCTGA GAACCTTGGG -19
TCCTCCCAGC GCCCAGCCAT GGGGGAACTG 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 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 CTGCAGGAGG AGCTGAACCA GGAAAAGGGG 432  Q136L E138del E138K E138A
euAlaGlyAl aIleGlySer LeuGlnGluG luLeuAsnGl nGluLysGly 144

CAGAAGGAGG TGCTGCTGCG GCGGTGCCAG CAGCTGCAGG AGCACCTGGG 482  L149R L150R R151W R151Q C153S L156P Q157P
GlnLysGluV alLeuLeuAr 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 TGCTCAGCCT 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 GGCGGAGAAG GACATTCTGG AGCAGAGCCT GGACGAGGCG 882
hrPheSerLe uAlaGluLys AspIleLeuG luGlnSerLe uAspGluAla 294

CGGGGGAGCC GACAGGAGCT GGTGGAGCGC ATCCACTCGC TGCGGGAGCG 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 TGCGAGCTGC AGAAGGAGCG 1082  L350P V354M
GluLysValA snAlaLeuGl nAlaGlnVal CysGluLeuG lnLysGluAr 361

AGACCAGGCG TACTCCGCGA GGGACAGTGC TCAGAGGGAG ATTTCCCAGA 1132  A364V
gAspGlnAla TyrSerAlaA rgAspSerAl aGlnArgGlu IleSerGlnS 378

GCCTGGTGGA GAAGGACTCC CTCCGCAGGC AGGTGTTCGA GCTGACGGAC 1182  p.Ser384Phe
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

CCCCCAGCCA 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 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 p.(Arg610Cys) 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 GGTCCTGCAC 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 p.Val774Ile
sProSerSer GlyGlyProG lnLysLeuVa lArgIleVal SerMetAspL 778

AAGCCAAGGC CAGCCCTCTG CGTTTGTCCT 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

CTGTGCCTCC 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
luValSerGl 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 GAGCCCCCGA TGATGCACCG TGCCCCTTCC *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 CTCTGGAAAA CCGCCTGTCT GCAGGCCCGA TTCAAATCTA *367

TGGGGGCTGC ACTTCCCTTT TACATTTTGA TGTGTCAAAG GCTTTTGGAG *417

TGACCAAAAG CACAGAGGCA GCGGGTGGGG CGCCTGGGTG GTCCCCAAGG *467

TCGCTGCCAC CCTTGCCCGG GGCAGAGGCA GAAGCCCACA TATGCTGTGA *517

CGCTGGCCAC CTTTTCTCAG CTTCTGAGGC TGCGATGCCT CAGGAACTCC *567

AGTTTACAGA GACCAGTGTG TTTACTTGTA AATAAAGCCT CTGCGTGGTG *617

GAGACGGTAC TTTCAGTGGG TCTGTGCCCC GTGGCCCCTG TGCCTGTTCG *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 AGTGTCCAAG AATCAGGAAG CTGTTCTAGA ATTCAGGTTG *917

GTATCATCAT AAATGAGTTC AGAAAAAGAA CTTCTGTATA TTTTACTAAA *967

ATAAAAAGCT TTTACAATA

CARD14 (NM_024110.4) - cDNA + Protein - 2026-11-04

