



## NOD2 (NM\_022162.3) - cDNA + Protein - 2025-08-21

ACTTACTTGT GGCTGTCCC CTCGTGAATG TGTCTCATGT CCCCCAGTGGG -247

GTTTTTCAGT GAGGGTCATG GTCTCCAGGA TGCACAAGGC TTTGTGCCAG -197

AATTGCTTGG AATTGCCAG AGTCTGGAAGG CTGGTTGGCC AACTCTGGCC -147

TCCGGCTTTT CCTTTGGGAA TTCCCTTGA AGGTGGGGTT GGTAGACAGA -97

TCCAGGCTCA CCAGTCCTGT GCCACTGGGC TTTTGGCGTT CTGCACAAGG -47 c.-53C>T

CCTACCCGCA GATGCCATGC CTGCTCCCCC AGCCTAATGG GCTTGATGG 4

MetG 2

GGGAAGAGGG TGGTTCAGCC TCTCACGATG AGGAGGAAAG AGCAAGTGTC 54

IyGluGluG1 yGlySerAla SerHisAspG luGluGluAr gAlaSerVal 18

CTCCTCGGAC ATTCTCCGGG TTGTGAAATG TGCTCGCAGG AGGCTTTCA 104

LeuLeuGlyH isSerProG1 yCysGluMet CysSerGlnG luAlaPheG1 35

GGCACAGAG AGCCAGCTGG TCGGAGCTGCT GGTCTCAGGG TCCCTGGAAG 154 R38M E43Y

nAlaGlnArg SerGlnLeuV alGluLeuLe uValSerGly SerLeuGluG 52

GCTTCGAGAG TGTCTGGAC TGGCTGCTGT CCTGGGAGGT CCTCTCCTGG 204

IyPheGluSe rValLeuAsp TrpLeuLeuS erTrpGluVa lLeuSerTrp 68

GAGGACTACGG AGGGCTTCCA CCTCCTGGGC CAGCCTCTCT CCCACTTGGC 254 L81V

GluAspTyrG luGlyPheHi sLeuLeuGly GlnProLeuS erHisLeuAl 85

CAGGCGCCTT CTGGACACCG TCTGGAATAA GGGTACTTGG GCCTGTCAGA 304 T91A

aArgArgLeu LeuAspThrV alTrpAsnLy sGlyThrTrp AlaCysGlnL 102

AGCTCATCGC GGCTGCCAA GAAGCCCAGG CCGACAGCCA GTCCCCAAG 354 A105A D113N

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CTGCATGGCT GCTGGGACCC CCACTCGCTC CACCCAGCCC GAGACCTGCA 404 L119L

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nSerHisArg ProAlaIleV alArgArgLe uHisSerHis ValGluAsnM 152

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etLeuAspLe uAlaTrpGlu ArgGlyPheV alSerGlnTy rGluCysAsp 168

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GluIleArgL euProIlePh eThrProSer GlnArgAlaA rgArgLeuLe 185

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isValGlnGl uLeuProVal ProLeuAlaL euProLeuGl uAlaAlaThr 218

TGCAAGAAGT ATATGGCCAA GCTGAGGACC ACGGTGTCTG CTCAGTCTCG 704 K225M Q233X R235C

CysLysLysT yrMetAlaLy sLeuArgThr ThrValSerA laGlnSerAr 235

CTTCCTCAGT ACCTATGATG GAGCAGAGAC GCTCTGCC**TG** GAGGACATAT 754 **T245M L248R**

gPheLeuSer ThrTyrAspG lyAlaGluTh rLeuCysLeu GluAspIleT 252

ACACAGAGAA TGTCTGGAG GTCTGGGCAG ATGTGGCAT GGCTGG**ACC** 804 **P268S/SNP5**

yrThrGluAs nValLeuGlu ValTrpAlaA spValGlyMe tAlaGlyPro 268

CCGCAGAAGA GCCCAGCAC CCTGGGCCTG GAGGAGCTCT TCAGCAC**CC** 854

ProGlnLySS erProAlaTh rLeuGlyLeu GluGluLeuP heSerThrPr 285

TGG**C**ACCTC **A**ATGAC**G**ATG CGGAC**A**TGT GCTGGTGG**TG** GGTGAGG**CG** 904 **H287Y N289S D291N A292V T294S V298V A301V**

oGlyHisLeu AsnAspAspA laAspThrVa lLeuValVal GlyGluAlaG 302

GCAGTGGCAA GAGCACGCTC CTGCAG**CG** TGCACTTGCT GTGGGCTG**CA** 954 **R311W**

lySerGlyLy sSerThrLeu LeuGlnArgL euHisLeuLe uTrpAlaAla 318

GGGCAAGACT TCCAGGAATT TCTCTTGTC TTCCCATTCA GCTGC**CG****GA** 1004 **R334W R334O**

GlyGlnAspP heGlnGluPh eLeuPheVal PheProPheS erCysArgG1 335

GCTGCAGTGC ATGGCCAAAC CACTCTCTGT GCGGACT**CTA** **C**TCTTGAGC 1054 **L348V L349F**

nLeuGlnCys MetAlaLysP roLeuSerVa lArgThrLeu LeuPheGluH 352

**A**CTGCTGTTG **G**CCTGA**T**GTT GGTCAAGAAC AG**A**TCTTCCA GTTACTC**CTT** 1104 **H352R W355X D357A I363F**

isCysCysTr pProAspVal GlyGlnGluA spIlePheG1 nLeuLeuLeu 368

GACC**C**ACCTG ACC**C**GTGTCCT GTTAACCTT GATGGCT**TG** ACGAGTTCAA 1154 **H343Y R373C D382N D382E E383K E383G**

AspHisProA spArgValLe uLeuThrPhe AspGlyPheA spGluPheLy 385

GTCAGGTT**C** ACGG**A**T**C**GTG AAC**G**CCACTG CTCCCC**G**ACC GACCCCAC**CT** 1204 **D390V R391C R393H P397L**

sPheArgPhe ThrAspArgG luArgHisCy sSerProThr AspProThrs 402

CTGTCCAGAC CCTGCTCTTC AACCTTCTGC AGGGCAACCT GCTGAAGAAT 1254 N414S

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AlaArgLysV alValThrSe rArgProAla AlaValSerA laPheLeuAr 435

GAAGTACATC CGCACCCGAGT TCAACCTCAA GGGCTTCTCT GAACAGGGCA 1354 E441K

gLysTyrIle ArgThrGluP heAsnLeuLy sGlyPheSer GluGlnGlyI 452

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TTCACATCAC TTTCCAGTGC TTCTTGCG CGTTCTACCT GGCACTCAGT 1854 H603R T605P T605N A611A A612T A612V  
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snAsnLysLe uThrAspGly CysAlaHisS erMetAlaLy sLeuLeuAla 868

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InPheLeuG1 yPheTrpGly AsnArgValG lyAspGluG1 yAlaGlnAla 918

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lGlyAsnAsn IleGlySerV alGlyAlaG1 nAlaLeuAla LeuMetLeuA 952

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uLysIleLeu LysLeuSerA snAsnCysII eThrTyrLeu GlyAlaGluA 1002

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CACCAGACTC TTGCTTTGAA GTCTCCGGA GGATGTTCGT CTCAGTTGT \*31 c.\*9G>A

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CCCTCCAGGA TAGACTTTC CCAAGCCTAC TTTGCCATT GACTTCTTC \*231

CAAGATTCAA TCCCAGGATG TACAAGGACA GCCCCTCCTC CATAGTATGG \*281

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ATAATTCAAGG AAGCAGCTT CCCCCATGTCT CGACTCATCC ATCCAGGCCA \*481

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TCCTCTGAGG CTGAAATTCA GAATATTAGT GACCTCAGCT TTGATATTTC \*581

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ACACTCCAGC TGGGATCACA TGTGGACTTT TATTCCAGT GAAATCAGTT \*781

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GCAGCTTAA AAAATTAATC TGGGCCAGAA TTTCAAACGG CCTCACTAGG \*881 \*873C>T

CTTCTGGTTG ATGCCTGTGA ACTGAACCTCT GACAACAGAC TTCTGAAATA \*931

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AAAGCAAATG TCTTCCTGGA TTATTCAAAA TGATGTATGT TGAAGCCTTT \*1081

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*NOD2* (NM\_022162.3) - cDNA + Protein - 2025-08-21

