



## NOD2 (NM\_022162.3) - cDNA + Protein - 2026-04-24

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ACTTACTTGT GGCCTGTCCC CTCGTGAATG TGTCTCATGT CCCCAGTGGG -247
GTTTTTCAGT GAGGGTCATG GTCTCCAGGA TGCACAAGGC TTTGTGCCAG -197
AATTGCTTGG AATTGCCTAG TTCTGGAAGG CTGGTTGGCC AACTCTGGCC -147
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TCCAGGCTCA CCAGTCCTGT GCCACTGGGC TTTTGGCGTT CTGCACAAGG -47 c.-53C>T
CCTACCCGCA GATGCCATGC CTGCTCCCCC AGCCTAATGG GCTTTGATGG 4
                                     MetG 2

GGGAAGAGGG TGGTTCAGCC TCTCACGATG AGGAGGAAAG AGCAAGTGTC 54
lyGluGluG1 yGlySerAla SerHisAspG luGluGluAr gAlaSerVal 18

CTCCTCGGAC ATTCTCCGGG TTGTGAAATG TGCTCGCAGG AGGCTTTTCA 104
LeuLeuGlyH isSerProG1 yCysGluMet CysSerGlnG luAlaPheG1 35

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GCTTCGAGAG TGTCCGGAC TGGCTGCTGT CCTGGGAGGT CCTCTCCTGG 204
lyPheGluSe rValLeuAsp TrpLeuLeuS erTrpGluVa lLeuSerTrp 68

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CAGGCGCCTT CTGGACACCG TCTGGAATAA GGGTACTTGG GCCTGTCAGA 304 [T91A](#)  
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AGCTCATCGC GGCTGCCCAA GAAGCCCAGG CGACAGCCA GTCCCCCAAG 354 [A105A](#) [D113N](#)  
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CTGCATGGCT GCTGGGACCC CCACTCGCTC CACCCAGCCC GAGACCTGCA 404 [L119L](#)  
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GAGTCACCGG CCAGCCATTG TCAGGAGGCT CCACAGCCAT GTGGAGAACA 454 [R138Q](#) [A140T](#)  
nSerHisArg ProAlaIleV alArgArgLe uHisSerHis ValGluAsnM 152

TGCTGGACCT GGCATGGGAG CGGGGTTTCG TCAGCCAGTA TGAATGTGAT 504 [D154N](#) [L155Q](#) [W157R](#)  
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GAAATCAGGT TGCCGATCTT CACACCGTCC CAGAGGGCAA GAAGGCTGCT 554 [S178S](#)  
GluIleArgL euProIlePh eThrProSer GlnArgAlaA rgArgLeuLe 185

TGATCTTGCC ACGGTGAAAG CGAATGGATT GGCTGCCTTC CTTCTACAAC 604 [T189M](#) [T189T](#) [F198L](#)  
uAspLeuAla ThrValLysA laAsnGlyLe uAlaAlaPhe LeuLeuGlnH 202

ATGTTTCAGGA ATTACCAGTC CCATTGGCCC TGCCTTTGGA AGCTGCCACA 654 [P207A](#) [A211A](#)  
isValGlnGl uLeuProVal ProLeuAlaL euProLeuGl uAlaAlaThr 218

TGCAAGAAGT ATATGGCCAA GCTGAGGACC ACGGTGTCTG CTCAGTCTCG 704 [K225M](#) [Q233X](#) [R235C](#)  
CysLysLysT yrMetAlaLy sLeuArgThr ThrValSerA laGlnSerAr 235

CTTCTCAGT ACCTATGATG GAGCAGAGAC GCTCTGCCIG GAGGACATAT 754 [T245M](#) [L248R](#)  
 gPheLeuSer ThrTyrAspG lyAlaGluTh rLeuCysLeu GluAspIleT 252

ACACAGAGAA TGTCTGGAG GTCTGGGCAG ATGTGGGCAT GGCTGGA~~CCC~~ 804 [P268S/SNP5](#)  
 yrThrGluAs nValLeuGlu ValTrpAlaA spValGlyMe tAlaGlyPro 268

CCGCAGAAGA GCCCAGCCAC CCTGGGCCTG GAGGAGCTCT TCAGCACCCC 854  
 ProGlnLysS erProAlaTh rLeuGlyLeu GluGluLeuP heSerThrPr 285

TGGC~~CAC~~CTC ~~A~~ATGACGATG ~~C~~GGACAC~~T~~TGT GCTGGTGGTG GGTGAGG~~C~~GG 904 [H287Y](#) [N289S](#) [D291N](#) [A292V](#) [T294S](#) [V298V](#) [A301V](#)  
 oGlyHisLeu AsnAspAspA laAspThrVa lLeuValVal GlyGluAlaG 302

GCAGTGGCAA GAGCACGCTC CTGCAG~~C~~GGC TGCAC~~T~~TGCT GTGGGCTGCA 954 [R311W](#)  
 lySerGlyLy sSerThrLeu LeuGlnArgL euHisLeuLe uTrpAlaAla 318

GGGCAAGACT TCCAGGAATT TCTCTTTGTC TTCCCATTC A GCTGC~~C~~GGCA 1004 [R334W](#) [R334Q](#)  
 GlyGlnAspP heGlnGluPh eLeuPheVal PheProPheS erCysArgGl 335

GCTGCAGTGC ATGGCCAAAC CACTCTCTGT GCGGACT~~C~~TA ~~C~~TCTTTGAGC 1054 [L348V](#) [L349F](#)  
 nLeuGlnCys MetAlaLysP roLeuSerVa lArgThrLeu LeuPheGluH 352

~~A~~CTGCTGTTG ~~G~~CCTG~~A~~TGTT GGTCAAGAAG ~~A~~C~~A~~TCTTCCA GTTACTCCTT 1104 [H352R](#) [W355X](#) [D357A](#) [I363F](#)  
 isCysCysTr pProAspVal GlyGlnGluA spIlePheGl nLeuLeuLeu 368

GAC~~C~~ACCCTG ~~A~~CCGTGTCCT GTTAACCTTT GATGGCTTTG ~~A~~CG~~A~~GTTCAA 1154 [H343Y](#) [R373C](#) [D382N](#) [D382E](#) [E383K](#) [E383G](#)  
 AspHisProA spArgValLe uLeuThrPhe AspGlyPheA spGluPheLy 385

GTTCAGGTTT AC~~G~~A~~T~~C~~G~~TG AAC~~G~~CCACTG CTCCC~~C~~GACC GACCCACCT 1204 [D390V](#) [R391C](#) [E392K](#) [R393H](#) [P397L](#)

sPheArgPhe ThrAspArgG luArgHisCy sSerProThr AspProThrS 402

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erValGlnTh rLeuLeuPhe AsnLeuLeuG lnGlyAsnLe uLeuLysAsn 418

GCCCCAAGG TGGTGACCAG CCGTCCGGCC GCTGTGT~~C~~GG ~~C~~GTTCCCTCAG 1304 [R426H](#) [P427S](#) [P427P](#) [S431L](#) [A432V](#)

AlaArgLysV alValThrSe rArgProAla AlaValSerA laPheLeuAr 435

GAAGTACATC CGCACCGAGT TCAACCTCAA GGGCTTCTCT GAACAGGGCA 1354 [E441K](#)

gLysTyrIle ArgThrGluP heAsnLeuLy sGlyPheSer GluGlnGlyI 452

TCGAGCTGTA C~~C~~TGAGGAAG CG~~C~~CATCATG AG~~C~~CCGGGGT GGCGGAC~~C~~GC 1404 [L456L](#) [R459R/SNP6](#) [P463A](#) [G464W](#) [R468C](#)

leGluLeuTy rLeuArgLys ArgHisHisG luProGlyVa lAlaAspArg 468

~~C~~TCATC~~C~~GCC TGCTCCAAGA G~~A~~CCTCAGCC CTGC~~A~~CGGT TG~~T~~G~~C~~CACCT 1454 [L469F](#) [R471C](#) [T476P](#) [H480R](#) [G481D](#) [c.1447T>C](#) [C483W](#)

LeuIleArgL euLeuGlnGl uThrSerAla LeuHisGlyL euCysHisLe 485

GCCTGTCTTC TCAT~~G~~GATGG TGTCCAAAT~~G~~ CC~~A~~CCAGG~~AA~~ CTGTTGCT~~T~~GC 1504 [W490L](#) [W490S](#) [C495Y](#) [H496L](#) [E498](#) [L500delinsV](#) [E498D](#) [L501P](#)

uProValPhe SerTrpMetV alSerLysCy sHisGlnGlu LeuLeuLeuG 502

AGGAGGGGGG G~~T~~CC~~C~~CAAAG ACCA~~C~~TACAG ~~A~~TATGTACCT GCTGATTCTG 1554 [E503E](#) [S506Pfs\\*11](#) [P507S](#) [T510I](#) [D512H](#) [D512Y](#) [D512V](#) [M513T](#) [M513R](#)

lnGluGlyGl ySerProLys ThrThrThrA spMetTyrLe uLeuIleLeu 518

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GlnLeuGlnA laAlaGlnVa lSerProAsp AspIleSerL euGlyPheLe 585

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oGlyAsnSer ProMetAlaA rgLeuLeuPr oThrMetCys ileGlnAlaS 652

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erGluGlyLy sAspSerSer ValAlaAlaL euLeuGlnLy sAlaGluPro 668

CACAACTTTC AGATCACAGC AGCCTTCTTG GCAGGGCTGT TGTCCCGGGA 2054 [N670K](#) [T674I](#) [F677L](#) [L682F](#) [R684W](#) [R684Q](#)

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lLeuGlnHis LeuArgArgP roValAlaLe uGlnLeuAsp TyrAsnSerV 802

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laLeuLeuGl nAlaLeuGlu ArgAsnAspT hrIleLeuGl uValTrpLeu 1018

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