

Product datasheet for MC223222

Nod2 (NM_145857) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nod2 (NM_145857) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nod2
Synonyms: ACUG; BLAU; Card15; CD; F830032C23Rik; IBD1; Nlrc2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223222 representing NM_145857
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTGCTCACAGGAAGAGTTCAGGCACAGAGGAGCCAGCTGGTGGCACTGCTGATCTCAGGGTCTTTGG
 AGGGCTTTGAGAGCATCTTAGACTGGCTGCTGTCTTTGGGATGTGCTCTCCAGGGAGGACTATGAGGGCT
 CAGCCTCCCTGGCCAACCTCTCTCCATTCTGCCAGGCGTCTGCTGGACACAGTCTGGAACAAGGGTGT
 TGGGGCTGTCAGAAGCTCCTCGAAGCTGTGCAGGAGGCACAGGCCAACAGTCATACCTTTGAACTGTATG
 GGTCTGGGACACTCACTCCCTTCATCCAACCAGAGACCTGCAGAGTCACCGGCCAGCCATTGTGAGGAG
 ACTCTACAACCATGTAGAAGCCATGCTGGAGCTGGCAAGGGAGGGGGGTTTCTGAGCCAGTACGAGTGT
 GAGGAGATCAGGCTGCCAATCTTACGTCGTCTCAGAGGGCAAGAAGGCTGCTTGATCTCGCTGCGGTGA
 AGGCCAATGGACTGGCTGCCTTCCTTCTACAGCACGTGAGGAACTACCAGTCCACTGCCTCTGCCTTA
 CGAGGCTGCTGAGTGTGAGAAGTTCATATCTAAGCTGAGGACCATGGTGTGACTCAGTCTCGCTTCCTC
 AGTACTTACGATGGTTCGAGAATCTTTGCCTGGAGGATATACACGGAGAACATCTTGGAGCTGCAGA
 CTGAAGTGGGCACAGCCGGGCCCTTGAGAAGAGCCCTGCCATCCTGGCCTGGAGGACCTTTTGATA
 CCATGGTCACCTGAACAGAGATGCCGACCATACTGGTGGTGGCGAAGCAGGCAGTGGAAGCACT
 CTCTGCAGCGTTTGCACCTGCTGTGGCAACAGGGAGGAGCTTCCAGGAGTTTCTCTTCAATTTCCCAT
 TCAGCTGCCGACAGTTGCAATGCGTGGCCAAACCCTGTCCTGAGGACGCTGCTCTTTGAGCACTGCTG
 CTGGCCTGATGTCGCTCAGGACGATGCTTCCAGTTTCTTCCAGTCCCTGACCATCCTGACCGTGTCTGTTAACC
 TTTGATGGCTGGACGAGTTCAAGTTCGGTTCACCGACCGGGAGCGCCACTGCTCTCAATTGACCCCA
 CGTCAGTCCAGACTCTGCTTCAACCTTCTCCAGGGAACTGCTGAAGATGCCTGCAAGGTGCTGAC
 CAGCCGTCGGATGCTGTGTCAGCGCTCCTCAGGAAGTTCGTTCCGACAGAGTTGCAACTGAAGGGCTTC
 TCTGAAGAGGGCATCCAACCTGTACCTGAGAAAGCACCACCGGAACTGGGGTGGCAGACCGCCTCATCC
 AGCTGATCCAAGCCACCTCAGCCCTGCATGGTTTGTGCCACTCCCTGTCTTCTCTTGGATGGTGTCCAG
 ATGCCACCGGAACTTCTGCTGCAGAACAGGGGCTTCCCAACAACCAGCACGGACATGTACCTCCTGATC
 CTGCAGCATTTCTGCTGCATGCCTCCCTCCGACTCCTCCCACTCGGTCTGGGACCTGGACTCCTCC



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AAAGCCGGCTCTCCACCCTCCTGCACCTTGGCCACCTGGCTCTCCGGGGCCTGGCCATGAGCTGCTATGT
GTTCTCAGCCCAGCAGCTCCAGGCAGCTCAGGTTGACTCTGATGATATTTCTCTTGGTTTCTGGTACGT
GCCCAAAGTAGTGTGCCCGGAGCAAGGCGCCCTGGAGTTCTCTGCACATTACCTTCCAGTGCTTTTTTG
CCGCTTTCTACTTGGCTGTCACTGCTGACACATCGGTGGCCTCTCTCAAGCACCTTTTTCAGCTGTGGCCG
GCTGGGCAGCTCACTGCTGGGAAGGCTGCTGCCAACCTGTGTATCCAGGGCTCCAGAGTCAAGAAGGGC
AGCGAAGCAGCCCTGCTGCAGAAGGCTGAGCCACACAACCTGCAAATCACAGCAGCCTTCTAGCAGGTC
TGTGTTCCAGCAGCATCGGGACCTGTTGGCTGCATGCCAGGTTCCGAGAGGGTACTGCTCCAGCGTCA
GGCAGTGCCCGCTCGTGTCTGGCCACAGCCTCCGCGAGCACTTCCATTCCATCCCGCCTGCCGTGCC
GGTGAGACCAAGAGCATGCATGCATGCGGGCTTCATTTGGCTCATCCGTAGCCTGTACGAGATGCAGG
AGGAGCAGTTGGCCAGGAGGCTGTCCGTGCTTGGACATCGGGCACCTGAAAGTTGACATTTTGCAGAGT
GGGCCCTGCAGAGTGTGCTGCACTGGCCTTTGTACTGCAACATCTCCAGCGCCTGTGGCCCTACAGCTG
GATTACAACCTCTGTGGGAGATGTTGGAGTGGAACAGCTGCGACCGTGCCTTGGGGTCTGCACAGCTCTGT
ATTTGCGAGATAACAATATCTCAGACCGAGGTGCCCGCACGCTGGTTGAGTGTGCTCTTCGCTGTGAGCA
GCTGCAGAACTAGCTCTCTTCAACAACAACTCACGGATGCGTGCAGCCTGCTCCATGGCCAAGCTCCTT
GCACACAAGCAGAACTTCTGTCCCTGAGGGTGGGGAACAATCACATCACAGCCGCTGGAGCCGAGGTGC
TGGCCCAGGGACTCAAGAGCAACACCTCCCTGAAGTTCCTGGGGTCTGGGGCAACAGCCTGGGTGATAA
GGGCACCCAAGCCCTGGCTGAAGTTGTAGCCGACCACCAGAACCTAAAGTGGCTCAGCCTGGTAGGAAAC
AACATTGGCAGCATGGGTGCCGAAGCCCTAGCACTGATGCTGGAGAAGAACAAGTCACTAGAGGAACTCT
GCCTAGAGGAAAACCATATCTGTGACGAAGGGTATATTTCTCTCGAGAAGGACTCAAGAGAAAATCAAC
TTTGAAATTTCTGAAACTGTCCAACAATGGCATCACCTACCGGGTGCAGAAGCCCTCCTGCAGGCCCTC
AGCAGGAACAGTGCCATTCTGGAGGTTGGCTTCGAGGGAACACATTCTTTGGAGGAAATCCAAACAC
TGAGCTCCAGGGACGCCAGACTTGTGTTGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
    
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Restriction Sites:

SgfI-MluI

ACCN:

NM_145857

Insert Size:

3042 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_145857.2](#), [NP_665856.2](#)

RefSeq Size: 4621 bp

RefSeq ORF: 3042 bp

Locus ID: 257632

Cytogenetics: 8 C3