

Product datasheet for **MC210962**

Nmrk2 (NM_027120) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nmrk2 (NM_027120) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nmrk2
Synonyms: 2310015C21Rik; Itgb1bp3; Mibp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC210962 representing NM_027120
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACTCATCATAGGCATTGGAGGGGTGACCAACGGTGGGAAGACCACCCTGACCAACAGCCTCCTCA
AGGCGCTGCCAACTGCTGCGTGATCCATCAGGATGACTTCTTCAAGCCCAGGACCAAATAGCAGTCGG
AGAGGACGGCTTTAAACAGTGGGACGTGCTTGAGTCCCTGGACATGGAGACCATGCTCAGCACGGTGCAG
GCCTGGGTGAAGGATCCACACAAGTTGCACGCGCTCATGGCGTCAGCCTTCAGTCAGGTGCCTCGGACA
CCCACGTACTCCTCCTCGAGGGTTTCTACTGTACAGCTACAGGCCCTGGTGGACTTGTACAGCCAACG
CTACTTCTGACCGTGCCGTATGAGGAATGCAAGCGGAGGAGAAGAAGCCGTAATTACATGGTCCCTGAT
CCTCCTGGCCTGTTTGTGGTACGTGTGGCCATGTACCAGAAGTATAGACGGGAGATGGAGCAGGACG
GGGTGGAAGTGGTCTATTTAGATGGCATGAAGTCCCCGGAGGGACTCTTCCATCAAGTTCTGGAGGATAT
TCAAAACAGACTGCTCAACACATCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_027120
Insert Size: 588 bp



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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_027120.2](#), [NP_081396.1](#)

RefSeq Size: 1840 bp

RefSeq ORF: 588 bp

Locus ID: 69564

UniProt ID: [Q9D7C9](#)

Cytogenetics: 10 C1

Gene Summary: Catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). Reduces laminin matrix deposition and cell adhesion to laminin, but not to fibronectin. Involved in the regulation of PXN at the protein level and of PXN tyrosine phosphorylation. May play a role in the regulation of terminal myogenesis (By similarity).[UniProtKB/Swiss-Prot Function]