

Product datasheet for **RN215522**

Nmrk1 (NM_001024292) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nmrk1 (NM_001024292) Rat Untagged Clone
Tag: Tag Free
Symbol: Nmrk1
Synonyms: Nrk1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215522 representing NM_001024292
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGACATTTGTCATTGGAATTGGTGGTGTGACAAATGGAGGGAAGACAACACTGGCTAAGAACCTGC
AGAAACGCCTTCCAACATGCAGCGTAATATCTCAGGACGACTTCTCAAGCCAGAGTCTGAGATAGACAT
AGATGAGAATGGTTTTCTGCAGTATGATGTGCTTGAAGCACTTAACATGGAAAAATGATGTCAGCCGTT
TCCTGTTGGATGGAGAACCAGGAAGCTCTGCGGGCCAGCAGCCTTGGAAAGTGCCTCAAGGGGTTCCCA
TTTTAATTATTGAAGGGTTCCTGCTCTTAATTATAAGCCTCTGGACACCATATGGAACAGAAGCTATT
CCTGACCGTTCCATATGAAGAATGTAAGAGAAGGAGGAGTACCAGAGTCTATGAGCCTCCAGACCCTCCA
GGTACTTCGATGGCCACGTGTGGCCATGTACCTGAAGCACAGGCAGGAGATGAACTCCATCACCTGGG
ACATTGTTTACCTGGACGGAACAAGTCTGAAGAGGACCTCTTCTCCAAGTGTATGAAGATGTCAAGCA
AGAATTGGAGAAGCAAAATGGTTT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001024292
Insert Size: 588 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<ol style="list-style-type: none">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:	<u>NM_001024292.1, NP_001019463.1</u>
RefSeq Size:	1591 bp
RefSeq ORF:	588 bp
Locus ID:	499330
UniProt ID:	<u>Q6AY91</u>
Cytogenetics:	1q43
Gene Summary:	Catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN). [UniProtKB/Swiss-Prot Function]