

Product datasheet for RC208090

Nurim (NRM) (NM_007243) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nurim (NRM) (NM_007243) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nurim
Synonyms:	NRM29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208090 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCCCGCACTGCTCCTGATCCCTGCTGCCCTCGCCTCTTTCATCCTGGCCTTTGGCACCGGAGTGG
 AGTTCGTGCGCTTTACCTCCCTTCGGCCACTTCTGGAGGGATCCCGAGTCTGGTGGTCCGGATGCCCC
 CCAGGGATGGCTGGCTGCCCTGCAGGACCGCAGCATCCTTGCCCCCTGGCATGGGATCTGGGGCTCCTG
 CTTCTATTTGTTGGGCAGCACAGCCTCATGGCAGCTGAAAGAGTGAAGGCATGGACATCCCGGTACTTTG
 GGGTCCTTCAGAGGTCACTGTATGTGGCCTGCACTGCCCTGGCCTTGCACTGGTGTGCGGTACTGGGA
 GCCCATACCCAAAGGCCCTGTGTTGTGGGAGGCTCGGGCTGAGCCATGGGCCACCTGGGTGCCGCTCCTC
 TGCTTTGTGCTCCATGTCATCTCCTGGCTCCTCATCTTTAGCATCCTTCTCGTCTTTGACTATGCTGAGC
 TCATGGGCCTCAAACAGGTATACTACCATGTGCTGGGGCTGGGCGAGCCTCTGGCCCTGAAGTCTCCCCG
 GGCTCTCAGACTCTTCTCCACCTGCGCCACCCAGTGTGTGTGGAGCTGCTGACAGTGTGTGGTGGT
 CCTACCCTGGGCACGGACCGTCTCCTCTTGTCTTCTCCTTACCCTCTACCTGGGCTGGCTCACGGGC
 TTGATCAGCAAGACCTCCGCTACCTCCGGGCCAGCTACAAGAAACTCCACCTGCTCTCTCGGCCCA
 GGATGGGGAGGCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >RC208090 protein sequence
 Red=Cloning site Green=Tags(s)

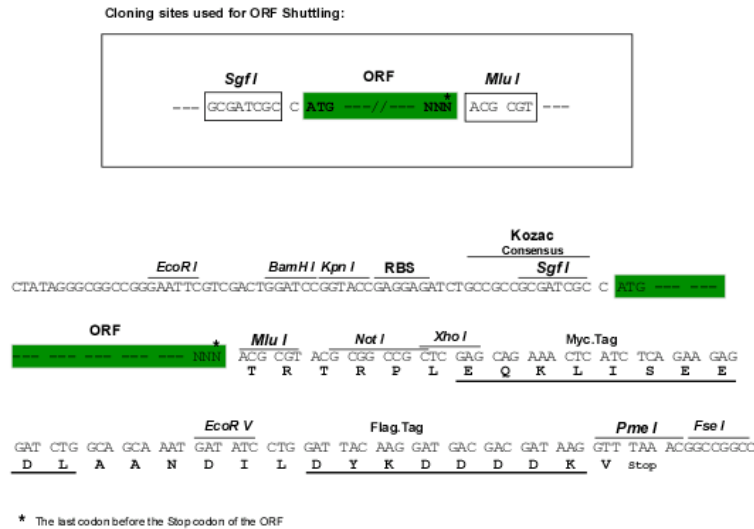
MAPALLLIPAALASFILAFGTGVEFVRFTSLRPLLGGIPESGGPDARQGWLAALQDRSILAPLAWDLGLL
 LLFVGQHSLSMAAERVKAWTSRYFGVLQRSLYVACTALALQLVMRYWEPIPKGPVLWEARAEPWATWVPLL
 CFVLHVISWLLIFSILLVFDYAELMGLKQVYYHVLGLGEPLALKSPRALRLFSHLRHPVCVELLTVLWVV
 PTLGTDRLLLAFLLTLYLGLAHGLDQDLRYLRAQLQRKLHLLSRPQDGEAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6342_b02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007243

ORF Size: 786 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_007243.3](#)

RefSeq Size: 1767 bp

RefSeq ORF: 789 bp

Locus ID: 11270

UniProt ID: [Q8IXM6](#)

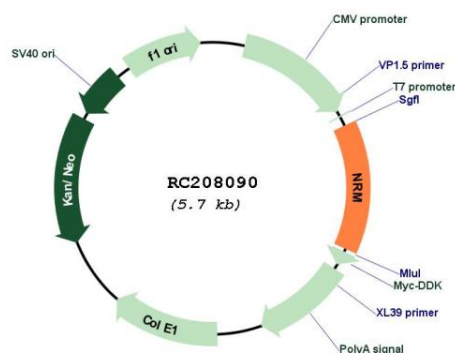
Cytogenetics: 6p21.33

Protein Families: Transmembrane

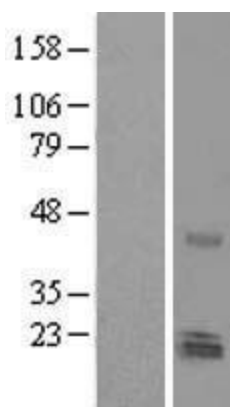
MW: 29.4 kDa

Gene Summary: The protein encoded by this gene contains transmembrane domains and resides within the inner nuclear membrane, where it is tightly associated with the nucleus. This protein shares homology with isoprenylcysteine carboxymethyltransferase enzymes. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012]

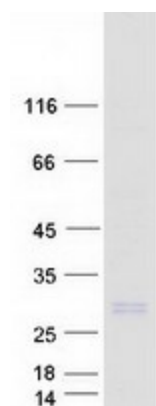
Product images:



Circular map for RC208090



Western blot validation of overexpression lysate (Cat# [LY416103]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208090 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NRM protein (Cat# [TP308090]). The protein was produced from HEK293T cells transfected with NRM cDNA clone (Cat# RC208090) using MegaTran 2.0 (Cat# [TT210002]).