

Product datasheet for **RN202480**

Nsmf (NM_057190) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsmf (NM_057190) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nsmf
Synonyms:	Jac; Jacob; Nelf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202480 representing NM_057190
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTGCCGCCCTCCAGGAGGAGGGCGCTGAGGAGCGAGGCCATGTCCTCGGTAGCGGCCAAAGTAA
 GAGCAGCCCGAGCGTTTGGAGAGTACCTGTCCCAGAGTACCCTGAGAACCGCAACGGTGCAGACCCT
 GCTGGCCGACGCCTACTCTGGCCACGAAGGTTCCCCAGAGATGCAGCCTGCACCCACAACAAGCGCCG
 CTCTCCCTCGTCTCCAATGGCCGCTATGAGGGCAGCATCTCAGATGAGGCAGTCAGCGGGAAGACGGCTA
 CAGAGGGCCCCAGCCCCGTGTGTACACCATCTCTAGAGAGCCAGCCCTGCTGCCGCTGAAGCCGA
 AGCCATTGAGCTAGCAGTGGTAAAGGGAGGAGGCAGCGGGAGCGGCACCCTCACCACCAGCCAGCCC
 CTGCGCGCCAGCCAGGCAGCCGTGAGGACATCAGCAGGCCCTGCCAAAGCTGGGCAGGAAGCCGCC
 AGGGCTCAAAGAATGCCCGGATGTGCCAGTGGTCCCTGGTCCCTCCCTCGGGCTTCGGGTTGGA
 ACAGCCACCTCTACCTGAGGCTTCGGCCGTACAAGAAGCTGGAAGGATGTATAGTGTGATGGAGTG
 TCTGATGACGTCCCATCCGTACCTGGTCCCAAGGAAAACCCCTTCAGCTTCCAGACGGCAACCACAA
 CTATGCAAGCCATCTCGGTATTCAGGGGCTACGCGGAGAGGAAGCGTCGAAACGGGAGAATGATCCGC
 GTCTGTAATCCAGAGGAACCTCCGCAAACCTGCGCATGGTTGGCAGTCGGCGGGTGAAGGCCAGACG
 TTCGCTGAGCGCGCGAACGGAGCTTACGCGGTCTGGAGCGACCCACCCCTATGAAAGCCGACACCT
 CCCAGACTCCCAGACAGCAGTGACCTACAGAGCTCACACTGCACCCTGGATGAGGCTTGTGAGGACCT
 GGACTGGGACACAGAGAAAGCCCTGGAGGCCACGGCTGCGACTGAGGGCTTCTTGCCACCAAGGTC
 ATGCTAATCTCTCAAGGTGCCAAGGCCGAGTACATCCAACCATCATCCGAGAGACGCCATCCA
 TCATCCCCTCCTCTATGACCATGAGCAGCAACGTTTCGAGGACATCCTGGAGGAAATAGAGAAGAAGTT
 GAACATCTATACAAGGGGCCAAGATCTGGAAGATGCTGATTTCTGCCAGGGCGCCCTGGGCACCTT
 TATTTGCTCAAGAACAAGGTGGCCACCTTTGCCAAAGTGGAGAAGGAAGGACATGATCCACTTCTGGA
 AGAGGCTGAGCCGTCTGATGAGCAAAGTGAACCTGAGCCAAATGTCATCCACATCATGGCTGCTACAT
 CCTGGGGAACCCTAACGGGGAGAAGCTATTCCAGAACCTCAGGACCCTCATGACCCTTACAAGTTACC
 TTTGAGTCGCCCCGGAGCTCTCTGCCAAGGGAAGCAATGATTGAGACCTACTTTGATTTCCGGCTGT
 ACCGCTGTGGAAAGCCGCCAGCACTCAAAGCTGCTGGACTTTGATGACGTCCTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_057190

Insert Size: 1599 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).

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_057190.2](#), [NP_476538.2](#)

RefSeq Size: 2923 bp

RefSeq ORF: 1599 bp

Locus ID: 117536

UniProt ID: [Q9EPI6](#)

Cytogenetics: 3p13

Gene Summary: mouse homolog acts as a guidance molecule for olfactory axon projections and is involved in the neurophilic migration of LHRH cells [RGD, Feb 2006]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).