

Product datasheet for **RN216762**

Nsmf (NM_001270627) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsmf (NM_001270627) 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



[View online »](#)

Fully Sequenced ORF: >RN216762 representing NM_001270627
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTGCCGCCCTCCAGGAGGAGGGCGCTGAGGAGCGAGGCCATGTCCTCGGTAGCGGCCAAAGTAA
GAGCAGCCCGAGCGTTTGGAGAGTACCTGTCCCAGAGTACCCTGAGAACCGCAACGGTGCAGACCCT
GCTGGCCGACGCCTACTCTGGCCACGAAGGTTCCCAGAGATGCAGCCTGCACCCACAACAAGCGCCGC
CTCTCCCTCGTCTCCAATGGCCGCTATGAGGGCAGCATCTCAGATGAGGCAGTCAGCGGGAAGACGGCTA
CAGAGGGCCCCAGCCCCGTGTGTACACCATCTCTAGAGAGCCAGCCCTGCTGCCGCTGAAGCCGA
AGCCATTGAGCTAGCAGTGGTAAAGGGAGGAGGCAGCGGGAGCGGCACCCTCACCACCAGCCAGCCC
CTGCGCGCCAGCCAGGCAGCCGTGAGGACATCAGCAGGCCCTGCCAAAGCTGGGCAGGAAGCCGCC
AGGGCTCAAAGAATGCCCGGATGTGCCAGCTGGTCCCTCCCTCCCTCGGGCTTCGGGTGGA
ACAGCCACCTCTACCTGAGGCTTCGGCCGTACAAGAAGCTGGAAGGATGTATAGTGTGATGGAGTG
TCTGATGACGTCCCATCCGTACCTGGTCCCAAGGAAAACCTTTCCAGCTCCAGACGGCAACCACAA
CTATGCAAGCCATCTCGAACTCCGCAACACCTGCGCATGGTTGGCAGTCGGCGGGTGAAGGCCAGAG
CAGTGACCTACAGAGCTCACACTGCACCCTGGATGAGGCTTGTGAGGACCTGGACTGGGACACAGAGAAA
GGCCTGGAGGCCACGGCCTGCGACACTGAGGGCTTCTTGCACCCAAGGTCATGTAATCTCCTCAAGG
TGCCAAAGGCCGAGTACATCCAACCATCATCCGACAGACGACCATCCATCATCCCCATCCTCTATGA
CCATGAGCAGCAACGTTTCGAGGACATCCTGGAGGAAATAGAGAAGAAGTTGAACATCTATCACAAGGG
GCCAAGATCTGGAAGATGCTGATTTCTGCCAGGGCGCCCTGGGCACCTTTATTTGCTCAAGAACAAG
TGCCACCTTTGCCAAAGTGGAGAAGGAAGGAGCATGATCCACTTCTGGAAGAGGCTGAGCCGTCTGAT
GAGCAAAGTGAACCTGAGCCAAATGTATCCACATCATGGGCTGCTACATCCTGGGGAACCTAACGGG
GAGAAGCTATTCCAGAACCTCAGACCCTCATGACCCCTTACAAGTTACCTTTGAGTCGCCCTGGAGC
TCTCTGCCAAGGGAAGCAAATGATTGAGACCTACTTTGATTTCCGGCTGTACCGCTGTGGAAAAGCCG
CCAGCACTCAAAGCTGCTGGACTTTGATGACGCTCTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001270627

Insert Size: 1440 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001270627.1](#), [NP_001257556.1](#)

RefSeq Size: 2764 bp

RefSeq ORF: 1440 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 (3) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.