

Product datasheet for **MC217596**

Nsmf (NM_001039387) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsmf (NM_001039387) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nsmf
Synonyms:	Jacob; Nelf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC217596 representing NM_001039387
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGCCGCCCTCCAGGAGGAGGGCGCTGAGGAGCGAGGCCATGTCCTCGGTAGCGGCCAAAGTAA
 GAGCAGCCCGAGCGTTTGGAGAGTACCTGTCCCAGAGTACCCTGAGAACCGCAACGGTGCAGACCCT
 GCTGGCTGACGCCTACTCTGGCCACGACGGTCCCAGAGATGCAACCTGCACCCAGAACAAGCGCCG
 CTCTCCCTCGTCTCCAATGGCCGATATGAGGGCAGCATCTCAGATGAGGCAGTCAGCGGGAAGCCGGCTA
 TAGAGGGCCCCAGCCCCACGTGTACACCATCTCTAGAGAGCCCGCCCTGCTACCTGGCTCTGAAGCTGA
 AGCCATTGAGCTAGCAGTGGTAAAAGGGAGGAGACAGCGGGAACGGCACCCCTCACCACCAGCCAGCCC
 CTGCGTGCCAGCCAGGCAGCGGGGAGGACATCAGCAGGCCCTGCCAAAGCTGGGCAGGAAGCCGCC
 AGGGCTCAAAGAGTGCCAGGATGTGCCAGTGGTCCCTGGTCCCTCTTCTCGGGCCTTTGGGCTGGA
 GCAGCCACCTCTACCTGAGGCTCCTGGCCGCCACAAGAAGCTGGAAGGATGTATAGCGTTGATGGAGTG
 TCTGATGATGTCCCATCCGTACCTGGTCCCAAGGAAAACCTTTTCAGCTTCCAGACGGCAACCACAA
 CTATGCAAGCGGTATTCAGGGGCTACGCGGAGAGGAAGCGTCGGAACCGGAGAATGATCCGCGTCTGT
 AATCCAGAGGAACCTCCGCAACACCTGCGCATGGTTGGCAGTCGGCGGGTGAAGGCCAGACGTTCCGCT
 GAGCGTCGCGAACGGAGCTTCAGCCGGTCTGGAGCGACCCACCCTATGAAAGCCGACACTTCCCACG
 ACTCCCGAGACAGCAGTGACCTACAGAGCTCACACTGCACCCTGGATGAGGCTTGTGAGGACCTGGACTG
 GGACACAGAGAAAGGTCTGGAGGCCATGGCCTGCAACACCGAGGGCTTCTTGCCACCAAGGTCATGCTC
 ATCTCCTCAAAGGTGCCAAAGGCCGAGTATATCCCTACTATCATCCGAGAGATGACCCGTCATCATT
 CCATCCTACGACCACGAGCATGCAACCTTCGAGGACATCCTGGAGGAAATAGAGAAGAAATTGAACAT
 CTATCACAAAGGGGCAAGATCTGGAAGATGCTGATTTTCTGCCAGGGCGCCCTGGACACCTTTATTTG
 CTCAAGAACAAGGTGGCCACCTTTGCCAAAGTGGAGAAGGAAGAGGACATGATCCACTTCTGGAAGAGGC
 TGAGCCGCTGATGAGCAAGGTGAACCCGAGCCGAATGTCATCCACATCATGGGCTGCTACATTCTGGG
 GAACCCTAACGGGGAGAAGCTATTCCAGAACCTCAGGACCCTCATGACCCCTTACAAGGTTACCTTTGAG
 TCGCCTCTCGAGCTGTCTGCCAAAGGAAGCAGATGATTGAGACCTACTTTGACTTCCGGCTGTACCGCC
 TGTGGAAGAGCCGCCAGCACTCAAAGCTGCTGGACTTTGATGACGTCCT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001039387

Insert Size: 1593 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_001039387.1](#), [NP_001034476.1](#)

RefSeq Size: 2943 bp

RefSeq ORF: 1593 bp

Locus ID: 56876

UniProt ID: [Q99NF2](#)

Cytogenetics: 2 A3

Gene Summary: Couples NMDA-sensitive glutamate receptor signaling to the nucleus and triggers long-lasting changes in the cytoarchitecture of dendrites and spine synapse processes. Part of the cAMP response element-binding protein (CREB) shut-off signaling pathway. Stimulates outgrowth of olfactory axons and migration of gonadotropin-releasing hormone (GnRH) and luteinizing-hormone-releasing hormone (LHRH) neuronal cells.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an alternate, in-frame exon, compared to variant 1. The resulting protein (isoform B) is shorter when it is compared to isoform A.