

Product datasheet for **RN209556**

Nsmaf (NM_181389) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsmaf (NM_181389) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nsmaf
Synonyms:	FAN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209556 representing NM_181389
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTTACCCGGAAGAGGCAGCGCAGCAGCAGCTGCTACTCCAAGGAGAGGTTCTCCTTAC
 TGCTGCTCAACTTGGAGGAGTACTACTTCGAGCAGCATACGGCTTCCATGTCCAGCACCAGGGCAGCCC
 CGAGGAAAGGAAAATCAGAGGCTCCTTAAAGATATGTTCAAATCAGTGATTTTTGAACCAGATGCAATA
 TCGCAGCCATTCTTAAGATTCTTTGAGAGACTGTTAAAAATAGGAAAACATGGAGAAAATGGAGCCA
 AATAACACTTTGCAAAGGCAAAATCTTTGGGTATTTCACTCATTCCAGTCAGGTATATTTCAATAGGA
 GCACAACATCGTGGCACCATAAGATAGAACGGGAAAAATGGAGTATGTCTTCCAACCTGGAAGTTTCT
 GGGAAAGTGGAAGATGTTGTGGAGACATTGCTACAGCTGCACAGAGCATCCTGCCTTGATAAACTGGTG
 ACCAAATGGCCATGATAACAGCTATCTTGACAGTACGTTTGGCTAGGACATCATTTGACAAAAACAGGTT
 CCAAAGCGTTTCAGAAAAGCTGCACATGGAGTCAAAGCAGAGATGATGACGCCTCTGGTGACGAACTCT
 GGGCATGTGTGCATTACTGACACCAACCTGATTTCCAGCCTCTCAACGGGTACCCGAAAACCTGTGGTCC
 AGATAACGCTCCAAGATGTCCGGCGCATTACAAAAGGAGGCACGGCCTCATGCCTTTGGCTTGGAAAT
 GTTTTGCACAGAAGATGACCTGTGTTCTGACATATACCTAAAGTTCTATGAGCCTCAAGCAGAGATGAC
 CTCTATTTTTATATTGCCACGTACCTAGAACACCACGTGGCAGAACACACTGCGGAGAGCTACATGCTGC
 AGTGGCAGCGAGGGCACCTGTCCAACCTACCAGTACCTGCTCCACTTCAACAACCTGGCCGACCGCGGCTG
 CAATGACCTGTCCAGTACCCTGTGTTCCATGGGTAATAAGTACTACTCCAACCCAGAGCTAGATTTG
 TCAAATCCCGCAACCTTCCGAGATCTTAGTAAGCCAGTGGGAGCCCTAAATCCAGAGAGCTGGAGAGAC
 TGCTGACTCGATACCAGGAAATGCCTGAGCCGAAGTTTATGATGTTGGAGCCACTACTCTTCCCAGGTA
 TGTGCTCTTTTACCTCGTTAGGATCGCACCCAGAATATATGCTGTGCTACAAAATGGAAGATTTGATAAT
 GCAGATAGGATGTTCAACAGCATTGTAGAACTGGAAAACTGTTGGATGGTGAACGAACCTCAAAG
 AGTTGATCCCAGAATTCTATGATGAAGACGCCAGCTTCTTGATCAATAGTCTGAAGTTGGATCTGGGAA
 GAGACAAGGAGGGCAGATGGTTGACGACGTGGAGCTTCTGATGGCCCTCAAGTCCCAAGACTTTCTC
 CAGAAGAACAAGGACGCCTTGGAAAGCAGTTATGTGTCTGAGCACCTTATGAGTGGATTGATCTGATAT
 TTGGCTATAAGCAAAAAGGAGTGAGGCCATAGGGGCCATAACGTGTTTCAACCCCTGACCTATGAAGG
 CGGTGTAGACCTGAACAGCATTGAGGATCCCGATGACAAAGTAGCCATGCTGACCCAAATTTTGAATTT
 GGGCAGACACCAAAACAGCTGTTTGTGACACCACATCCTCGAAGGATCACCCCAAGTTTAAAAGTTTGT
 CCCAAGCGTCCAGCTACAATGCTTCTATGACAGACTCCCAAGTTTCTCCAGGGGAGGAGTATTTGAAGA
 CCTGACTGAAGAGAGCAAACTCTGGCCTGGAATAACATCAACAAGTTGCAGCTACATGACAGTACAAA
 ATCCACAAAGAGGCGGTTACAGGGATAGCAGTGTCTTGCAATGGGCTTTCAGTCTTTACCACCTCACAAG
 ATTCACCTTTGAAGATGTTTTCTAAGGAATCCAAAATGTTACAAAGAAGTATATCATTTTCAATATGGGC
 TTTATCGTCTGTTTACTTTTGGCAGGAGACCACTGTCATAAGTTCTTCTTGGGATAACAACGTCTAT
 TTTTATCCATAGCATTGGAAGACGCCAAGACACACTGATGGGACATGACGATGCTGTCAGTAAGATCT
 GTTGGCATAATGACAGGCTGACTCTGCATCTTGGGACTACTGTGAAGGTGTGGTCCGGCGTTCTCTGC
 AGAAATGCCAGGCACAAAAGACACCAGTTTACTTACTGGCTGAGCTTGAGCATGATGTCAGTGTCAAT
 ACGATCAATTTAAATGCTGTGAGTACACTGCTAGTTTCTGGCACCAAGGAAGCCCTGGTGAATATTTGGG
 ACCTCACTACAGCCACTCTATTACACCAGATTTATGCCACTCAGGGACAGTATGTGATGCTGCTTTTAG
 CCCAGACAGTCGCCACGTCTCAGCACAGGAGTAGACGGCTGCCTGAACGTGATTGATGTGCAGACGGGC
 ATGCTCATTTCTCCATGGCCTCAGAGGAGCCGACAGGTTGCTTGTCTGGGATGGAACCTGTGCTGAT
 CTGGAAGTCGGACTGGTGTGAGCTGCTTGTCTGGGACCTCCTGGAGCAAAAGTCAGTGAGCGGATACAGGG
 CCACACAGGTGCCGTGACGTGCATACGGATGAATGAACAGTGTAGCAGCATCATCACCGGAGGGGAAGAC
 AGACAAGTTATGTTCTGGAACCTGCAGTATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_181389
Insert Size:	2763 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:	<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:	NM_181389.2 , NP_852054.1
RefSeq Size:	2787 bp
RefSeq ORF:	2763 bp
Locus ID:	353233
Cytogenetics:	5q12
Gene Summary:	cytoplasmic protein; mediates activation of sphingomyelinase and apoptosis [RGD, Feb 2006]