

Product datasheet for **SC117865**

NSMAF (NM_003580) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSMAF (NM_003580) Human Untagged Clone
Tag:	Tag Free
Symbol:	NSMAF
Synonyms:	FAN; GRAMD5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117865 sequence for NM_003580 edited (data generated by NextGen Sequencing)

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ATGGCGTTTATCCGGAAGAAGCAGCAGGAGCAGCAGCTGCAGCTCTACTCCAAGGAGAGA
TTTTCTTGCTGCTGCTTAACCTGGAGGAGTACTACTTTGAACAGCATAGAGCCAATCAC
ATTTTGCACAAGGGCAGTCACCATGAAAGGAAAATCAGAGGCTCCTTAAAAATATGTTCA
AAATCGGTGATTTTTGAACCAGATTCAATATCCCAGCCCATCATCAAGATTCTTTGAGA
GACTGTATAAAAATAGGAAAGCATGGAGAAAATGGAGCCAATAGACACTTCACAAAAGGCA
AAATCTGGGGTATTTCACTCATTTCAGTCAGGTATATTTCAATTAAGAACATAATGTT
GTTGCACCATATAAAAATAGAAAGGGGCAAAAATGGAATATGTTTTTGAATTGGATGTTCC
GGGAAAGTGGAAGATGTTGTGGAGACGTTGCTTCAGCTTCACAGAGCATCCTGCCTTGAC
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GCAGATAGAATGTTCAACAGTATTGCAGAACTTGGAAAAACTGTCTGGATGGTGCAACG
GATTTTAAAGAGTTAATTCCAGAATTCTATGGTATGATGTGAGCTTTCTAGTCAATAGC
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ATCATCACAGGAGGGGAAGACAGACAAAATTATATTCTGGAATTGCAGTATTAA

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Clone variation with respect to NM_003580.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003580 unedited
 NTTGTTTCAAATTTGGTATACGACTCACTATAGGGCGGGCCGCAATCGGCACCAGCCGG
 AGTCCCCACGCGAGGATGCTGCGGTGAGCGCGCCGGGACGCCGCGTCCGGCTCTCGGCC
 GCCCAGCGGGCCGCGAGGGGAAGCCAGGCCGGCAGCCGCGCTCCCCAGCCGGCCACCA
 ATCCCGCCCTCCCGGCTCCTCCGACCTCCTCGGCAGCGCGCGGGGCTGCCTGTG
 CGCTCTGCGCCCCCGCGCCTACCCTCCATGGCGTTTATCCGGAAGAAGCAGCAGGAGC
 AGCAGCTGCAGCTCTACTCCAAGGAGAGATTTTCCTTGCTGCTTAACTTGGAGGAGT
 ACTACTTTGAACAGCATAGAGCCAATCACATTTTGCACAAGGGCAGTCACCATGAAAGGA
 AAATCAGAGGCTCCTTAAAAATATGTTCAAATCGGTGATTTTTGAACCAGATTCAATAT
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 ATGGAGCCAATAGACACTTCACAAAGGCAAAATCTGGGGTATTTCACTATTTTCAGTC
 AGGTATATTTTATTAAAGAACATAATGTTGTTGCACCATATAAAATAGAAAGGGGCAAAA
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 TTCAGCTTCACAGAGCATCCTGCCTTGGACAATGGTGACCAAACCGNCATGATAACAGC
 TANTTTGCAGTCTCGTTTAGCTAGAACATCATTTGACAAAAACAGTTCCAAAACATTTCT
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 ACACGTGTGCATCACGGACACAAACCTGTATTTTCAGNCCCTCAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003580 unedited
 TACGGATCCCGGCTCCAGTGTTTTTAAGATACCAAACAGAATAGCTGTAATGAAATACA
 AACCGTTCCTATACACAGTAAACTTACTAAGAAGTCTAATCCTTCTCCAGGTTCTTAGA
 ATCTGGGTACAGCATTATAGAAAGTAACCACGCTATGAAAACACACCCAAAACCCGAT
 GGGTGGCAATTGTGATAGATTAGGTCGCCTCCCTCATATTCAGAAGTAGCAGAGAATACT
 GCACATTTTCTTGAAAATTTCTTAATTGTTTCAAGTCTTCTGACAAGTTTCCCCAGCCC
 AATTTATCTTCTAGCTATTCTCTGCTACTTAGTCTGTCTTCTGACAATCATCATACGGG
 GACGATCATCTGCCTTACAGTGTAAATGTTTTTCTAACACAGCCGATTTTATCTGCC
 CTAAGAGAATAGCAACTAATGGCTTTCAATGAAGTACCATGATTTAGAAAAGTTTAAAC
 CACAAATTTTCCATGTGGCAAACTTCTATTACTAACATTGCACATTACCAGTCCGTTT
 AAAAGTTCGGCTTAAAAATGCGTTAAATAGAGGNCAATTAATATTCAGGAGAGGAAAAG
 GCCCTTAATACTGCAATTCCCAGAATTTAATCCGCCTGGCTTCCCTCCTGCGATGATCC
 TGCTACCCTGTTGATTCCTTCTTATTCTGTTACATGCCCTGGGGGGCCCTGTGTTGCCT
 CGCTGGTGTGCTGGTGGGGGGGCTTCCGGGCGGGCGCCAGACTGCCTGCGGTAGA
 AACGGGTTTTTCTCGCCGACGAGGCCCTCGGGGCTCCCCGTTGGTGGGGGCATAACC
 TACCTGTGGCGGTGNCGCCTGTGGCCGGAGTGGCCCTTGGCGTGCCTGGGGCTTTTG
 GGGGCGGTCCGGCGGTGCCCGCCCGGGGGGCGTCCCGATCCCCGTTGTCCACGTCTAA
 TTATTATAAAAAAAAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_003580

Insert Size:

3670 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_003580.2](#), [NP_003571.2](#)

RefSeq Size: 3564 bp

RefSeq ORF: 2754 bp

Locus ID: 8439

UniProt ID: [Q92636](#)

Cytogenetics: 8q12.1

Domains: Beach, WD40, GRAM

Protein Families: Druggable Genome

Gene Summary: This gene encodes a WD-repeat protein that binds the cytoplasmic sphingomyelinase activation domain of the 55kD tumor necrosis factor receptor. This protein is required for TNF-mediated activation of neutral sphingomyelinase and may play a role in regulating TNF-induced cellular responses such as inflammation. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jan 2009]
Transcript Variant: This variant (1) represents the longer transcript and encodes the shorter isoform (1).