

Product datasheet for **MC222630**

Nsmaf (NM_010945) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsmaf (NM_010945) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nsmaf
Synonyms:	AA959567; C630007J05; Fan
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222630 representing NM_010945
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTTACCCGGAAGAGGCAGCGCAGCAGCTGCAGCTCTACTCCAAGGAGAGGTTTTCTTAC
 TGCTTCTCAACTTGGAGGAGTACTACTTTGAGCAGCACACAGCGTTCCATGTCCAGCACCAGGGCAGCCA
 GGAAGAAAGGAAAATCAGAGGCTCCTTAAAGATATGTTCAAATCAGTGATTTTTGAACCAGATGAATA
 TCTCAGCCATTCTTAAGATTCTTTGAGAGACTGTTAAAAATAGGAAAACATGGAGAAAATGGAGCCA
 AATAACACTTTGCAAAGGCAAAATCATGGGGTATTTCACTCATTTTCAGTCAGATATACTTTATTAAGGA
 GCACAACATTGTGGCACCATAAGATAGAGCGGGGAAAATGGAGTATGTCTTTGAACTGGAAGTTTCT
 GGGAAAGTGGAAGATGTTGTGGAGACATTGCTACAGCTGCACAGAGCATCCTGCCTTGATAAACTGGTG
 ACCAAATGGCCATGATAACAGCTATCTTGACAGTACGCTGGCTAGGACATCATTTGACAAAAACAGGTT
 CCAAAGTGTCTGAAAAGCTGCACATGGAGTCAAAGCAGAGATGGTAACACCTCTAGTGACGAAACCT
 GGGCATGTGTGCATTACAGACACCAGCCTGATTTCCAGCCTCTCAATGGGTACCCGAAAACCTGTGGTCC
 AGATAACACTGCAGGATGTCCGGCGCATTTACAAAAGGAGGCACGGCCTCATGCCTTTGGCTTGGAAAT
 GTTTTGCACAGATGACGACCTGTGTTCCGACATATACCTAAAGTTCTATGAGCCTCAAGACAGAGATGAT
 CTCTATTTTTATATCGCCACGTACCTAGAACACCACGCTGCAGAACACACTGCGGAGAGCTACATGCTGC
 AGTGGCAGCGAGGGCACCTTTCCAACCTACCAGTACCTGCACCTCAACAACCTGGCCGACCGCAGCTG
 CAATGACCTGTCCAGTACCCTGTGTTCCATGGATAAAGTGATTACTCCAGCCAGAGCTAGATTTG
 TCAAATCCTGCAACCTTCCGAGATCTTAGTAAGCCAGTGGGAGCCCTAAATGCGGAGCAGCTGGAGAGAC
 TGCTGACTCGATACCAGGAAATGCCTGAGCCAAGATTCAATGTATGGGAGTCACTACTCTTCCAGGTA
 TGTGCTCTTTTACCTCGTTAGGATCGCACCCAGAGTATATGCTGTGCTACAAAATGGAAGATTTGATAAT
 GCAGATAGGATGTTTAAACAGTATTGCAGAAACGTGAAAAACTGTTGGATGGTGAACGGATTTTAAAG
 AGTTGATCCAGAATTCTATGATGAAGACGTGAGCTTTTTGGTCAATAGTCTGAAGCTGGATCTGGGAAA
 GAGACAAGGCGGGCAGATGGTTGATGACGTGGACCTTCCAGCCTGGGCCTCAAGTCCCAAGACTTCCCTG
 CAGAAGAAACAAGGATGCCTTGGAAAGCGGTTACGTGTCTGAGCACCTTCATGAGTGGATTGATCTGATAT
 TTGGCTATAAGCAAAAAGGGAGTGAGGCCATAGGGGCCATAACGTGTTTCATCCCTGACCTATGAAGG
 TGGTGTAGACTTGAACAGCATTGAGGATCTGATGAAAAAGTAGCCATGCTGACCCAAATTTTGAATTT
 GGGCAGACACCAAAACAGCTGTTTGTGACACCACATCCTCGAAGGATCACCCCAAGTTTAAAAGTTTGT
 CCCAAGCCTCCAGCTACAACGCTTCTCTGACAGACTCCCAAGTTTCTCCAGGGGAGGAGTCTTTGAAGA
 CCTGACTGAGGAAAGCAGAACTCTGGCCTGGAGTAATATCGCCAAGCTGCAGCTACATGAGCAGTACAAG
 ATCCACAAAGAGGCGGTTACAGGGATAGCAGTGTCTTGCAATGGCTCTTCACTCTTTACCACCTCCCAAG
 ATTCCACTTTGAAGATGTTTTCTAAGGAATCCAAAATGCTACAAAGAAGTATATCATTTTCCAATATGGC
 TTTATCCTCTGTTTACTGTTGCCGGGAGACCACTGTCATAAGTTCTTCTTGGGATAACAACGTCTAT
 TTTTATCCATAGCATTGGAAGACGCCAAGATACACTGATGGGACATGACGATGCTGTCAGTAAAGTCT
 GTTGGCATAACGACAGGCTGACTCTGGATCTTGGGACTCTACTGTGAAGGTGTGGTCCGGTGTCTCTGC
 AGAAATGCCAGGAACAAAAGACACCAGTTTGACTTACTGGCTGAGCTTGAACATGATGTCAGCGTCAAT
 ACTATCAATTTAAATGCTGTGAGCACACTGTTAGTTTCTGGCACCAAGAAGGCATGGTGAATATTTGGG
 ACCTCACTACAGCCACTTTATTACACCAGACTTATGCCATTACAGGACAGTATGTGATGCTGCTTTTAG
 CCCAGATAGTCGCCACATCCTCAGCACGGGCTAGATGGATGTCTCAATGTGATTGATGTGCAGACGGGC
 ATGCTCATCTCCTCCATGGCCTCAGAGGAGCCGCAGAGGTGCTTTGTCTGGGATGGAATTTCTGTCTTAT
 CTGGAAGTCGGTCTGGTGAAGCTGCTTGTGGACCTCCTGGAGCAAAAGTCAAGTGAAGCGGATTACGGG
 CCACACTGGTGTGACATGCATGTGGATGAACGAACAGTGTAGCAGTATTATCACCGGAGGGGAAGAC
 AGACAAATATGTTCTGGAATTCAGTATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_010945
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_010945.2 , NP_035075.2
RefSeq Size:	3518 bp
RefSeq ORF:	2763 bp
Locus ID:	18201
UniProt ID:	O35242
Cytogenetics:	4 A1
Gene Summary:	Couples the p55 TNF-receptor (TNF-R55 / TNFR1) to neutral sphingomyelinase (N-SMASE). Specifically binds to the N-smase activation domain of TNF-R55. May regulate ceramide production by N-SMASE.[UniProtKB/Swiss-Prot Function]