OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG207925

NSMAF (NM_003580) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSMAF (NM_003580) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NSMAF
Synonyms:	FAN; GRAMD5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG207925 representing NM_003580
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTTTATCCGGAAGAAGCAGCAGGAGCAGCAGCTGCAGCTCTACTCCAAGGAGAGATTTTCCTTGC
TGCTGCTTAACTTGGAGGAGTACTACTTTGAACAGCATAGAGCCAATCACATTTTGCACAAGGGCAGTCA
CCATGAAAGGAAAATCAGAGGCTCCTTAAAAATATGTTCAAAATCGGTGATTTTTGAACCAGATTCAATA
TCCCAGCCCATCATCAAGATTCCTTTGAGAGACTGTATAAAAATAGGAAAGCATGGAGAAAATGGAGCCA
ATAGACACTTCACAAAGGCAAAATCTGGGGGTATTTCACTCATTTTCAGTCAGGTATATTTCATTAAAGA
ACATAATGTTGTTGCACCATATAAAATAGAAAGGGGCAAAATGGAATATGTTTTTGAATTGGATGTTCCC
GGGAAAGTGGAAGATGTTGTGGAGACGTTGCTTCAGCTTCACAGAGCATCCTGCCTTGACAAATTGGGTG
ACCAAACCGCCATGATAACAGCTATTTTGCAGTCTCGTTTAGCTAGAACATCATTTGACAAAAACAGGTT
CCAAAACATTTCTGAAAAGCTGCACATGGAATGCAAAGCAGAAATGGTGACGCCTCTGGTGACTAATCCT
GGACACGTGTGCATCACGGACACAAACCTGTATTTTCAGCCCCTCAACGGCTACCCGAAACCTGTGGTCC
AGATAACACTCCAAGATGTCCGCCGCATCTACAAAAGGAGGCACGGCCTCATGCCTCTGGGCTTGGAAGT
ATTTTGCACAGAAGATGATCTGTGTTCCGACATCTACCTAAAGTTCTATGAACCTCAAGATAGAGATGAT
CTCTATTTTTACATTGCCACATACCTAGAGCACCATGTGGCGGAGCACACTGCTGAGAGCTACATGCTGC
AGTGGCAGCGTGGACACCTTTCCAACTATCAGTACCTCCTTCACCTCAACAACCTGGCCGACCGCAGCTG
CAACGACCTCTCCCAGTACCCTGTGTTTCCATGGATAATACATGATTATTCCAGCTCAGAACTAGATTTG
TCAAATCCAGGAACCTTCCGGGATCTCAGTAAGCCAGTAGGGGCCCTAAATAAGGAACGGCTGGAGAGAC
TACTGACACGCTACCAGGAAATGCCTGAACCAAAGTTCATGTATGGGAGTCACTACTCTTCCCCGGGTTA
TGTACTTTTTTATCTTGTTAGGATTGCACCAGAGTATATGCTGTGCCTGCAGAATGGAAGATTTGATAAT
GCAGATAGAATGTTCAACAGTATTGCAGAAACTTGGAAAAACTGTCTGGATGGTGCAACGGATTTTAAAG
AGTTAATTCCAGAATTCTATGGTGATGATGTGAGCTTTCTAGTCAATAGCCTGAAGTTGGATTTGGGAAA
GAGACAAGGAGGACAGATGGTTGACGATGTGGAGCTTCCCCCTTGGGCTTCCAGTCCCGAGGACTTTCTC
CAGAAGAGCAAAGATGCATTGGAAAGCAATTATGTGTCTGAACACCTTCACGAGTGGATTGATCTAATAT
TTGGCTACAAACAAAAAGGGAGTGATGCAGTTGGGGCCCATAATGTATTTCATCCCCTGACCTATGAAGG
AGGTGTAGACTTGAACAGCATCCAGGATCCTGATGAGAAGGTAGCCATGCTTACGCAAATCTTGGAATTT
GGGCAGACACCAAAACAACTATTTGTGACACCACATCCTCGAAGGATCACCCCAAAGTTTAAAAGTTTGT
CCCAGACCTCCAGTTATAATGCTTCTATGGCAGATTCCCCAGGTGAAGAGTCTTTTGAAGACCTGACCGA
AGAAAGCAAAACACTGGCCTGGAATAACATCACCAAACTGCAGTTACACGAGCACTATAAAATCCACAAA
GAAGCAGTTACTGGAATCACGGTCTCTCGCAATGGATCTTCAGTATTCACAACATCCCAAGATTCCACCT
TGAAGATGTTTTCTAAAGAATCAAAAATGCTACAAAGAAGTATATCATTTTCAAATATGGCTTTATCGTC
TTGTTTACTTTTACCAGGAGATGCCACTGTCATAACTTCTTCATGGGATAATAATGTCTATTTTTATTCC
ATAGCATTTGGAAGACGCCAGGACACGTTAATGGGACATGATGATGCTGTTAGTAAGATCTGTTGGCATG
ACAACAGGCTATATTCTGCATCGTGGGACTCTACAGTGAAGGTGTGGTCTGGTGTTCCTGCAGAGATGCC
AGGCACCAAAAGACACCACTTTGACTTGCTGGCCGAGCTGGAACATGATGTCAGTGTAGATACAATCAGT
TTAAATGCTGCAAGCACACTGTTAGTTTCCGGCACCAAAGAAGGCACAGTGAATATTTGGGACCTCACAA
CGGCCACCTTAATGCACCAGATTCCATGCCATTCAGGGATTGTATGTGACACTGCTTTTAGCCCAGATAG
TCGCCATGTCCTCAGCACAGGAACAGATGGCTGTCTTAATGTCATTGATGTGCAGACAGGAATGCTCATC
TCCTCCATGACATCAGATGAGCCCCAGAGGTGCTTTGTCTGGGATGGAAATTCCGTTTTATCTGGCAGTC
AGTCTGGTGAACTGCTCGTTTGGGACCTCCTTGGAGCAAAAATCAGTGAGAGAATACAGGGCCACACAGG
TGCTGTGACATGTATATGGATGAATGAACAGTGTAGCAGTATCATCACAGGAGGGGAAGACAGACAAATT
ATATTCTGGAAATTGCAGTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

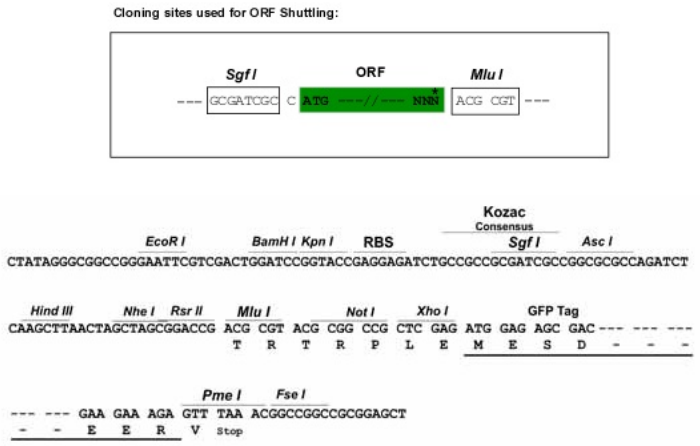
>RG207925 representing NM_003580
Red=Cloning site Green=Tags(s)

MAFIRKKQQEQQLQLYSKERFSLLLLNLEEYYFEQHRANHILHKGSHHERKIRGSLKICSKSVIFEPDSI
SQPIIKIPLRDCIKIGKHGENGANRHFTKAKSGGISLIFSQVYFIKEHNVVAPYKIERGKMEYVFELDVP
GKVEDVVETLLQLHRASCLDKLGDQTAMITAILQSRLARTSFDKNRFQNISEKLHMECKAEMVTPLVTNP
GHVCITDTNLYFQPLNGYPKPVVQITLQDVRRIYKRRHGLMPLGLEVFCTEDDLCSDIYLKFYEPQDRDD
LYFYIATYLEHHVAEHTAESYMLQWQRGHLSNYQYLLHLNNLADRSCNDLSQYPVFPWIIHDYSSSELDL
SNPGTFRDLSKPVGALNKERLERLLTRYQEMPEPKFMYGSHYSSPGYVLFYLVRIAPEYMLCLQNGRFDN
ADRMFNSIAETWKNCLDGATDFKELIPEFYGDDVSFLVNSLKLDLGKRQGGQMVDDVELPPWASSPEDFL
QKSKDALESNYVSEHLHEWIDLIFGYKQKGSDAVGAHNVFHPLTYEGGVDLNSIQDPDEKVAMLTQILEF
GQTPKQLFVTPHPRRITPKFKSLSQTSSYNASMADSPGEESFEDLTEESKTLAWNNITKLQLHEHYKIHK
EAVTGITVSRNGSSVFTTSQDSTLKMFSKESKMLQRSISFSNMALSSCLLLPGDATVITSSWDNNVYFYS
IAFGRRQDTLMGHDDAVSKICWHDNRLYSASWDSTVKVWSGVPAEMPGTKRHHFDLLAELEHDVSVDTIS
LNAASTLLVSGTKEGTVNIWDLTTATLMHQIPCHSGIVCDTAFSPDSRHVLSTGTDGCLNVIDVQTGMLI
SSMTSDEPQRCFVWDGNSVLSGSQSGELLVWDLLGAKISERIQGHTGAVTCIWMNEQCSSIITGGEDRQI
IFWKLQY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

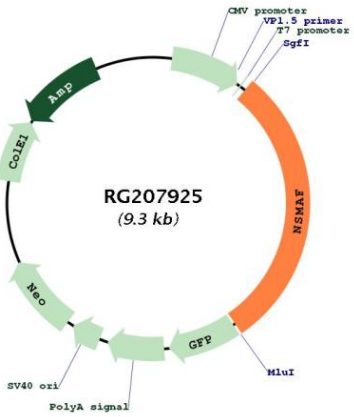
Cloning Scheme:



ACCN: NM_003580

ORF Size:	2751 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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]

Product images:



Circular map for RG207925