

Recombinant Human NSMAF Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NSMAF-3800H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NSMAF MS Standard C13 and N15-labeled recombinant protein (NP_003571) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	104.4 kDa
AA Sequence	MAFIRKKQQEQQLQLYSKERFSLLLNLEEYFEQHRANHILHKGSHHERKIRGSLKI CSKSVIFEPDSISQPIIKIPLRDCIKIGKHGENGANRHFTKAKSGGISLIFSQVYFIKEHN VVAPYKIERGKMEYVFELDVPGKVEDVETLLQLHRASCLDKLGDQTAMITAILQSRL ARTSFDKNRFQNISEKLHMECKAEMVTPLVTNPGHVCITDTNLYFQPLNGYPKPVVQ ITLQDVRRRIYKRRHGLMPLGLEVFCTEDDLCSDIYLFYEPQDRDDLIFYIATYLEHH VAEHTAESYMLQWQRGHLNLYQYLLHLNNLADRSCNDLSQYPVFPWIIHDYSSSEL DLSNPGTFRDLSKPVGALNKERLERLLTRYQEMPEPKFMYGSHYSSPGYVLFYLVRI APEYMLCLQNGRFDNADRMFNSIAETWKNCLDGATDFKELIPEFYGDDVSFLVNSL

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KLDLGKRQGGQMVDDVELPPWASSPEDFLQKSKDALESNYVSEHLHEWIDLIFGYK
 QKGSDAVGAHNVFHPLTYEGGVDLNSIQDPDEKVAMLTQILEFGQTPKQLFVTPHP
 RRITPKFKSLSQTSSYNASMADSPGEESFEDLTEESKTLAWNNITKLQLHEHYKIHKE
 AVTGITVSRNGSSVFTTSQDSTLKMFSKESKMLQRSISFSNMALSSCLLLPGDATVIT
 SSWDNNVYFYSAFGRRQDTLMGHDDAVSKICWHDNRLYSASWDSTVKVWSGVPA
 EMPGTRHHFDLLAELEHDVSVDTISLNAASTLLVSGTKEGTVNIWDLTTATLMHQIP
 CHSGIVCDTAFSPDSRHVLSTGTDGCLNVIDVQTGMLISSMTSDEPQRCFVWDGNS
 VLSGSQSGELLVWDLGAKISERIQGHTGAVTCIWMNEQCSSIITGGEDRQIIFWKLO
 YTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NSMAF neutral sphingomyelinase activation associated factor [Homo sapiens (human)]

Official Symbol NSMAF

Synonyms NSMAF; neutral sphingomyelinase (N-SMase) activation associated factor; protein FAN; FAN; factor associated with N-SMase activation; factor associated with neutral sphingomyelinase activation;

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Gene ID	8439
mRNA Refseq	NM_003580
Protein Refseq	NP_003571
MIM	603043
UniProt ID	Q92636
SDS-PAGE	