

## Product datasheet for PH307925

### NSMAF (NM\_003580) Human Mass Spec Standard

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Mass Spec Standards   |
| Description:                          | NSMAF MS Standard C13 and N15-labeled recombinant protein (NP_003571) |
| Species:                              | Human   |
| Expression Host:                      | HEK293  |
| Expression cDNA Clone or AA Sequence: | RC207925  |
| Predicted MW:                         | 104.4 kDa   |
| Protein Sequence:                     | >RC207925 protein sequence<br>Red=Cloning site Green=Tags(s)          |

MAFIRKKQQEQQLQLYSKERFSLLLLNLEEYFEQHRANHILHKGSHHERKIRGSLKICSKSVIFEPDSI  
SQPIIKIPLRDCIKIGKHGENGANRHFTKAKSGGISLIFSQVYFKEHNVVAPYKIERGKMEYVFELDVP  
GKVEDVETLLQLHRASCLDKLGDQTAMITAILQSRLARTSFDKNRFQNISEKLHMECKAEMVTPLVNTP  
GHVCITDTNLYFQPLNGYKPKVVQITLQDVRRIYKRRHGLMPLGLEVFCTEDDLCSDIYLFYEPQDRDD  
LYFYIATYLEHHVAEHTAESYMLQWQRGHL SNYQYLLHLNADRSCNDLSQYPVFPWIIHDYSSSELDL  
SNPGTFRDLSKPVGALNKERLERLLTRYQEMPEPKFMYGSHYSSPGYVLFYLVRIAPEYMLCLQNGRFDN  
ADRMFNSIAETWKNCLDGATDFKELIPEFYGDDVSFLVNSLKLDL GKRQGGQMVDDVELPPWASSPEDFL  
QKSKDALESNYVSEHLHEWIDLIFGYKQKGSDAVGAHNVFHPLTYEGGVDLNSIQDPDEKVAMLTQILEF  
GQTPKQLFVTPHPRRITPKFKSLQTSSYNASMA DSPGEESFEDL TEESKTLAWNNITKLQLHEHYKIHK  
EAVTGITVSRNGSSVFTTSQDSTLKMFSKESKMLQRSISFSNMALSSCLLLPGDATVITSSWDNNVYFYS  
IAFGRRQDTLMGHDDAVSKICWHDNRLYSASWDSTVKVWVGVP AEMPGTKRHHFDLLAELEHDVSVDTIS  
LNAASTLLVSGTKEGTVNIWDLTTATLMHQIPCHSGIVCDTAFSPDSRHVLSTGTGDCLNVIDVQTGMLI  
SSMTSDEPQRCFVWDGNSVLSGSQSGELLVWDL LGAKISERI QGHGTAVTCIWMNEQCSSIIITGGEDRQI  
IFWKLQY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

|                  |  |
|------------------|--|
| Tag:             | C-Myc/DDK  |
| Purity:          | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Concentration:   | >0.05 µg/µL as determined by microplate BCA method   |
| Labeling Method: | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine |
| Buffer:          | 25 mM Tris-HCl, 100 mM glycine, pH 7.3   |
| Storage:         | Store at -80°C. Avoid repeated freeze-thaw cycles.   |
| Stability:       | Stable for 3 months from receipt of products under proper storage and handling conditions.   |



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RefSeq: [NP\\_003571](#)

RefSeq Size: 3582

RefSeq ORF: 2751

Synonyms: FAN; GRAMD5

Locus ID: 8439

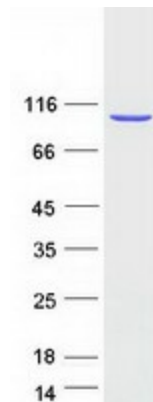
UniProt ID: [Q92636](#)

Cytogenetics: 8q12.1

**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]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified NSMAF protein (Cat# [TP307925]). The protein was produced from HEK293T cells transfected with NSMAF cDNA clone (Cat# [RC207925]) using MegaTran 2.0 (Cat# [TT210002]).