

Neutral Sphingomyelinase (NSMASE) Recombinant Protein | NSMASE recombinant protein

Recombinant Neutral Sphingomyelinase (NSMASE)

CATALOG # AAA134154	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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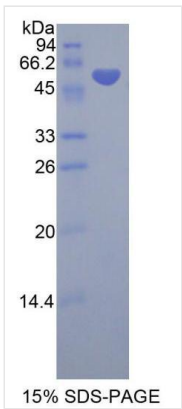
PRODUCT SYNONYMS

Neutral Sphingomyelinase (NSMASE); Recombinant Neutral Sphingomyelinase (NSMASE); NSMASE recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH 8.0, containing 1mM EDTA, 1mM DTT, 0.01% Sarcosyl, 5% trehalose, and preservative.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandGST-t ag,itssequ enceislist edbelow. MRNKKFEL GLEFPNLPYY IDGDVKLTQS MAHRYIADK HNMLGGCPKE RAEISMLEGA VLDIRYGVSR IAYSKDFETL KVDFLSKLPE MLKMFEDRLC HKTYLNGDHV THPDFMLYDA LDVVLYMDPM CLDAFPKLVC FKKRIEAIPO IDKYLKSSKY IAWPLQGWQA TFGGGDHPPK SDGSTSGSGH HHHHSAGLV PRGSTAIGMK ETAAAKFERQ HMDSPDLGTL EVLFQGPLGS EF-KPNFSLR LRIFNLNCWG IPYLSKHRAD RMRRLGDFLN QESFDLALLE EVWSEQDFQY LRQKLSPTYP AAHHFRSGII GSGLCVFSKH PIQELTQHIY TLNGYPYMIH HGDWFGSKAV GLLVLHLSGM VLNAYVTHLH AEYNRQKDIY LAHRVAQAWA LAQFIHHTSK KADVLLCGD LNMHPEDLGC CLLKEWTGLH DAYLETRDFK GSEEGNTMVP KNCYVSQQL KPFPFGVR
Sequence Length	423
Applicable Applications for NSMASE recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Lys2-Arg236 (Accession # O60906) with two N-terminal Tags, His-tag and GST-tag
Predicted isoelectric point	6.6
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	92859618
NCBI GeneID	6610
NCBI Accession #	NP_003071.2
NCBI GenBank Nucleotide #	NM_003080.2
UniProt Accession #	O60906; Q5TED1; Q9BWR3
Molecular Weight	59.2kDa
NCBI Official Full Name	sphingomyelin phosphodiesterase 2
NCBI Official Synonym Full Names	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)
NCBI Official Symbol	SMPD2
NCBI Official Synonym Symbols	ISC1; NSMASE; NSMASE1
NCBI Protein Information	sphingomyelin phosphodiesterase 2; N-SMase; lyso-PAF-PLC; neutral sphingomyelinase; lyso-platelet-activating factor-phospholipase C
UniProt Protein Name	Sphingomyelin phosphodiesterase 2
UniProt Gene Name	SMPD2
UniProt Synonym Gene Names	Lyso-PAF-PLC; N-SMase; nSMase
UniProt Entry Name	NSMA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.