

RPD058Hu01 10µg

Recombinant Neutral Sphingomyelinase (NSMASE)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PROPERTIES]

Residues: Lys2~Arg236 (Accession # O60906),
with two N-terminal Tags, His-tag and GST-tag.

Host: *E. coli*

Subcellular Location: Membrane; Multi-pass
membrane protein.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg
(determined by the LAL method).

Formulation: Supplied as lyophilized form in 20mM Tris,
150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT,
0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 6.6

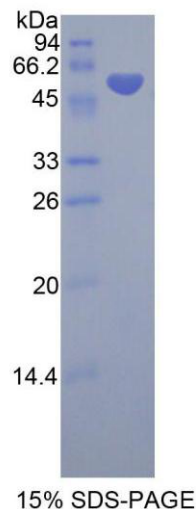
Predicted Molecular Mass: 59.2kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in ddH₂O.



[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The target protein is fused with two N-terminal Tags, His-tag and GST-tag, its sequence is listed below.

MSPILGYWKI KGLVQPTRL LLEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID
GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSR IAYSKDFETLKV
DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK
KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD GSTSGSGHHH HHHSAGLVPR
GSTAIGMKET AAKFERQHM DSPDLGTLEV LFQGPLGSEF-KPNFSLRLR IFNLNCWGIP
YLSKHRADRM RRLGDFLNQE SFDLALLEEV WSEQDFQYLRQKLSPTYPA HFRSGIIGS
GLCVFSKHPI QELTQHIYTL NGYPYMIHHG DWFSGKAVGL LVLHLSGMVL NAYVTHLHAE
YNRQKDIYLA HRVAQAWELA QFIHHTSKKA DVVLLCGDLN MHPEDLGCC LKEWTGLHDA
YLETRDFKGS EEGNTMVPKN CYVSQQELKP PFGVR

[REFERENCES]

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2. Sawai H., *et al.* (1999) J. Biol. Chem. 274:38131-38139.
3. Gudbjartsson D.F., *et al.* (2008) Nat. Genet. 40:609-615.
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