YBD058Ra01 100ug

Recombinant Neutral Sphingomyelinase (NSMASE)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Met1~Ala324

Tags: Two N-terminal Tags, His-tag and GST-tag

Accession: Q9ET64

Host: *E. coli*

Subcellular Location: Membrane. Multi-pass
membrane protein.

Purity: >90%

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

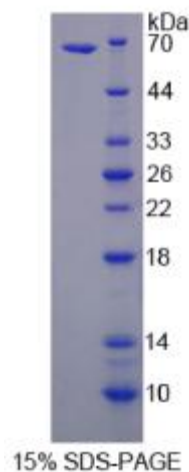Formulation: Supplied as lyophilized form in 20mM
Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM
DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 7.3

Predicted Molecular Mass: 66.9kDa

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

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

15% SDS-PAGE

[USAGE]

Reconstitute in sterile ddH$_2$O.

[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 sequence of the target protein is listed below.

MKHNFSLRLR VFNLNCWDIP YLSKHRADRM KRLGDFLNLE SFDLALLEEV WSEQDFQYLK

QKLSLTYPDA HYFRSGIIGS GLCVFSRHPI QEIVQHVYTL NGYPYKFYHG DWFCGKAVGL

LVLHLSGLVL NAYVTHLHAE YSRQKDIYFA HRVAQAWELA QFIHHTSKKA NVVLLCGDLN

MHPKDLGCCL LKEWTGLRDA FVETEDFKGS EDGCTMVPKN CYVSQQDLGP FPFGVRIDYV

LYKAVSGFHI CCKTLKTTTG CDPHNGTPFS DHEALMATLC VKHSPPQEDP CSAHGSAERS

ALISALREAR TELGRGIAQA RWWA