YBA801Ra01 10μg

Recombinant Alkaline Sphingomyelinase (Alk-Smase)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Gly22~Val439

Tags: N-terminal His-Tag

Homology: Human 78%, Mouse 90%

Tissue Specificity: Gejunum

Subcellular Location: Membrane; **Single**-pass type I membrane protein.

Purity: >95%

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

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.

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

Predicted isoelectric point: 6.6

Predicted Molecular Mass: 51.5kDa

Accurate Molecular Mass: 51kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[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. 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.The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

GPVQRQQQH KLLLVSFDGF RWNYDQDVET
PNLDSMAQEG VKARYMTPAF VTMTSPCHFT LVTGKYIENH GVVHNMFYNT
TNKVRLPYHA TLGIQRWWDN GSIPIWITAQ RQGLKTGSFF YPGGNVTYQG
EAVTMSRKEG VLHNYKNETE WRANVDTVMK WFTEEDVSLV TLYFGEPDST
GHKYGPESQE RKDMVKQVDR TVGYLRDSIK RHHLTDSLNL IITSDHGMTT
VNKKASDLVE FHKFPNFTFR DIEFELLDYG PNGMLIPKEG MLEKVYSVLK
DAHPRLHVYK KEDFPKTFHY ANNPRITSLL MYSDLGYVIH GRVNVQFNSG
EHGFDNQDMD MKTIFRAVGP SFKAGLEVEP FESVHVYELM CQLLGIVPEP
NDGHPGVLQP MLRSGSPLSR QHHLVVVLMG ILTGLAKVV

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[IDENTIFICATION]

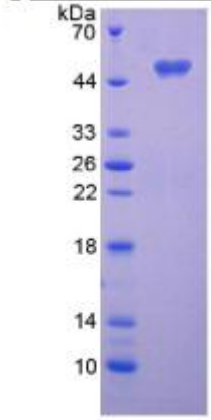

Figure 1. SDS-PAGE