RPC680Ra01 100µg

Recombinant Nicastrin (NCSTN)

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: Val35~Gln534

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: Q8CGU6

Host: *E. coli*

Subcellular Location: Membrane, Single-pass

type I membrane protein Potential. Melanosome.

Purity: >95%

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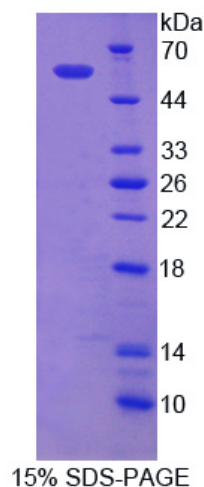
(determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS,

pH7.4, containing 5% trehalose, 0.01% sarcosyl.

Predicted isoelectric point: 5.2

Predicted Molecular Mass: 59.1kDa

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

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

kDa
70
44
33
26
22
18
14
10

15% SDS-PAGE

[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[<u>STORAGE AND STABILITY</u>]

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.

[<u>SEQUENCES</u>]

The sequence of the target protein is listed below.

VERKIY IPLNKTAPCV RLLNATHQIG CQSSISGDTG VIHVVEKEDD LKWVLTDGPN PPYMVLLEGK LFTRDIMEKL KGETSRIAGL AVTLAKPNST SSFSPSVQCP NDGFGIYSNS YGPEFAHCKK TLWNELGNGL AYDDFSFPIF LLEDENETKV IKQCYQDHNL GQNGSAPSFP LCAMQLFSHM HAVISTATCM RRSFIQSTFS INPEIVCDPL SDYNVWSMLK PINTSGGLEP DVRVVVAATR LDSRSFFWNV APGAESAVAS FVTQLAAAEA LHKAPDVTTL PRNVMFVFFQ GETFDYIGSS RMVYDMENGK FPVRLENIDS FVELGQVALR TSLELWMHTD PMSQKNESVK NQVEDLLVTL EQSGADTPQV VLSRLVQSQA LPPSSLQRFL RARNISGVVL ADHSGSFHNR YYQSIYDTAE NINVTYPESQ SPEEDLNFVT DTAKALADVA TVLARALYKL AGGTNFNNSI QADPQTVTRL LYGFLVRANN SWFQ