

Recombinant Human SPTBN4 Protein, His-tagged

SPTBN4-375H Human

Lot. No. (See product label)

Specification

Product Overview

Recombinant Human SPTBN4(Lys64~Ser285) fused with His tag at N-terminal was expressed in E. coli.

Description

Spectrin is an actin crosslinking and molecular scaffold protein that links the plasma membrane to the actin cytoskeleton, and functions in the determination of cell shape, arrangement of transmembrane proteins, and organization of organelles. It is composed of two antiparallel dimers of alpha- and beta- subunits. This gene is one member of a family of beta-spectrin genes. The encoded protein localizes to the nuclear matrix, PML nuclear bodies, and cytoplasmic vesicles. A highly similar gene in the mouse is required for localization of specific membrane proteins in polarized regions of neurons. Multiple transcript variants encoding different isoforms have been found for this gene.

Source

E. coli

Species

Human

Tag

His

Form

100mMNaHCO₃, 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Molecular Mass

29.5kDa

Protein length

Lys64~Ser285

Endotoxin

<1.0EU per 1µg (determined by the LAL method)

Purity

>98%

Applications

Positive Control; Immunogen; SDS-PAGE; WB.

If bio-activity of the protein is needed, please check active protein.

Stability

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 centigrade 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.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution

Reconstitute in 100mM NaHCO₃, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Gene Information

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Gene Name [SPTBN4 spectrin beta, non-erythrocytic 4 \[Homo sapiens \]](#)

Official Symbol [SPTBN4](#)

Synonyms [QV](#); [CMND](#); [SPNB4](#); [SPTBN3](#)

Gene ID [57731](#)

mRNA Refseq [NM_020971](#)

Protein Refseq [NP_066022](#)

UniProt ID [Q9H254](#)

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