

Human SLITRK4 / Slitrk4 Protein (His Tag)

Catalog Number: 13147-H08H



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

DKFZp547M2010; 6430513G13; D930039I09Rik

Protein Construction:

A DNA sequence encoding the human SLITRK4 (Q8IW52) (Met 1-Pro 616) was fused with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 92 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Asp 19

Molecular Mass:

The secreted recombinant human SLITRK4 comprises 609 amino acids and has a predicted molecular mass of 68.6 kDa. The apparent molecular mass of rhSLITRK4 is approximately 85 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

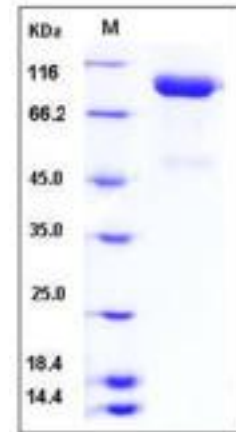
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

SLIT and NTRK-like family proteins 4 is a member of the SLIT and NTRK-like family. This protein is characterized as an integral membrane protein that has two leucine-rich repeat (LRR) domains and a carboxy-terminal domain that is partially similar to SLIT protein and TRK Neurotrophin. There are six members in this family: SLITRK1, SLITRK2, SLITRK3, SLITRK4, SLITRK5, and SLITRK6. Their expression was detected mainly in the brain, but the expression profile of each SLITRK was unique. Each of these members is located in nervous system except for SLITRK6. SLITRK expression was also investigated in various types of brain tumor tissue.

References

1. Beaubien F, *et al.* (2009) Differential expression of slitrk family members in the mouse nervous system. *Developmental Dynamics*. 238 (12) : 3285-96.
2. Aruga J, *et al.* (2003) Human SLITRK family genes: genomic organization and expression profiling in normal brain and brain tumor tissue. *Gene*. 315 (2): 87-94.
3. Milde T, *et al.* (2007) A novel family of slitrk genes is expressed on hematopoietic stem cells and leukemias. *Leukemia*. 21: 824-7.

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