

Human SLITRK6 Protein (His Tag)

Catalog Number: 13922-H08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

DFNMYP; SLITRK6

Protein Construction:

A DNA sequence encoding the human SLITRK6 (Q9H5Y7) (Met1-Ser608) was expressed with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: ≥ 85 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.

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: Ser 27

Molecular Mass:

The recombinant human SLITRK6 consists of 593 amino acids and predicts a molecular mass of 62.2 KDa. It migrates as an approximately 89 KDa band in SDS-PAGE under reducing conditions.

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:

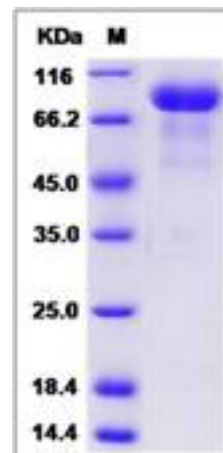
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

SLITRK6 belongs to the SLITRK family. Members of this family share two conserved leucine-rich repeat domains in the extracellular domain. SLITRK6 contains 11 LRR (leucine-rich) repeats, 2 LRRCT domains and 2 LRRNT domains. Expression of SLITRK proteins is highly restricted to neural and brain tumor tissues, but varies within the protein family. SLITRK6 is highly expressed in putamen with no expression in cerebral cortex. It also can be detected in adult and fetal lung and fetal liver. It can suppress neurite outgrowth. In adult brain, SLITRK6 has a critical role in the development of the inner ear neural circuit.

References

1. Strausberg RL, *et al.* (2003) Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. *Proc Natl Acad Sci.* 99(26):16899-903.
2. Wiemann S, *et al.* (2001) Toward a Catalog of Human Genes and Proteins: Sequencing and Analysis of 500 Novel Complete Protein Coding Human cDNAs. *Genome Res.* 11(3):422-35.
3. Hartley JL, *et al.* (2001) DNA Cloning Using In Vitro Site-Specific Recombination. *Genome Res.* 10 (11):1788-95.

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