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#### Datasheet for ABIN7317905

## SLITRK1 Protein (His tag,Fc Tag)



#### Overview

Quantity:	100 μg
Target:	SLITRK1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLITRK1 protein is labelled with His tag,Fc Tag.

#### **Product Details**

Purpose:	Recombinant Human SLITRK1 Protein (His & Fc Tag)
Sequence:	Met 1-Ser 616
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Ser 616) of human SLITRK1 (NP_443142.1) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	SLITRK1
Alternative Name:	SLITRK1 (SLITRK1 Products)
Background:	Background: SLITRK1 (Slit and Trk-like family member 1) is a integral membrane protein
	belonging to the SLITRK family consists of at least 6 members (SLITRK1-6). They are named

and characterized by the presence of two leucine-rich repeats (LRRs) in the extracellular domain similar to those found in a secreted axonal growth-controlling protein, Slit, as well as a C-terminal domain with homology to Trk neurotrophin tyrosine kinase receptors. Expression of SLITRKs are highly restricted to neural tissues, and are identified as the neuronal components modulating the neurite outgrowth. More specifically, SLITRK1 expression is found in the mature neurons of the cerebrum, thalamus and hippocampus, and induces unipolar neurites in cultured neuronal cells. Human SLITRK1 is a 696 amino acid precursor protein, and one truncating frameshift mutation (448 aa) has been linked to Tourette's syndrome, a genetically influenced developmental neuropsychiatric disorder characterized by chronic vocal and motor tics. In addition, all SLITRK genes are differentially expressed in brain tumors, such as astrocytoma, oligodendroglioma, glioblastoma, and are suggested to be useful molecular indicators of brain tumor properties.

Synonym: FLJ54428,KIAA0918,KIAA1910,LRRC12,RP11-395N17.1,SLITRK1,TTM

Molecular Weight:

95 kDa

NCBI Accession:

NP\_443142

#### **Application Details**

Restrictions:

For Research Use only

#### Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, 50 mM Tris, pH 7.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.