SLITRK4 Protein, Human (HEK293, His)

Cat. No.:	HY-P77207
Synonyms:	SLIT and NTRK-like protein 4; SLITRK4
Species:	Human
Source:	HEK293
Accession:	Q8IW52 (D19-P616)
Gene ID:	139065
Molecular Weight:	Approximately 85 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	SLITRK4 plays a crucial role in synaptogenesis, actively promoting the differentiation of synapses, as evidenced by its involvement in synaptic maturation. Conversely, SLITRK4 suppresses neurite outgrowth, indicating a regulatory function in neuronal morphology. The protein interacts with PTPRD through its LRR 1 and 2 repeats, suggesting a potential role in modulating the activity or function of PTPRD, a receptor-type protein tyrosine phosphatase known for its involvement in neural development and synaptic plasticity.

Caution: Product has not been fully validated for medical applications. For research use only.

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