

Recombinant Human Netrin-G1/NTNG1 Protein (His Tag)

Catalog No. PKSH032792

Note: Centrifuge before opening to ensure complete recovery of vial contents.

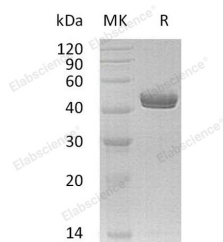
Description

Synonyms	Netrin-G1;Laminet-1;NTNG1;KIAA0976;LMNT1
Species	Human
Expression Host	HEK293 Cells
Sequence	His29-Ser409
Accession	Q9Y2I2
Calculated Molecular Weight	43.5 kDa
Observed molecular weight	51 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM Histidine-HCl, 6% Trehalose, 50mM NaCl, 0.05% Tween 80, pH5.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Netrin-G1 (NTNG1) is a member of a conserved family of proteins that act as axon guidance cues during vertebrate

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nervous system development. Netrin-G1 contains one laminin EGF-like domain and one laminin N-terminal domain, Netrin-G1 is highly expressed in the thalamus, lowly in other tissue. Netrin-G1 localizes to the cell membrane. Netrin-G1 interacts with NGL1 and is glycosylated in the N-terminal. In addition, Netrin-G1 can promotes neurite outgrowth of both axons and dendrites.