

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



Catalog Number:PKSH032792

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

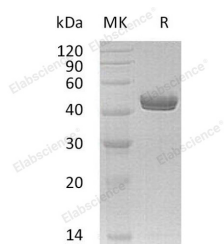
## Description

<b>Synonyms</b>	Netrin-G1;Laminit-1;NTNG1;KIAA0976;LMNT1
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	His29-Ser409
<b>Accession</b>	Q9Y2I2
<b>Calculated Molecular Weight</b>	43.5 kDa
<b>Observed molecular weight</b>	51 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	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% Tween80 are added as protectants before lyophilization. Please refer to the specifi
<b>Reconstitution</b>	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 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.

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