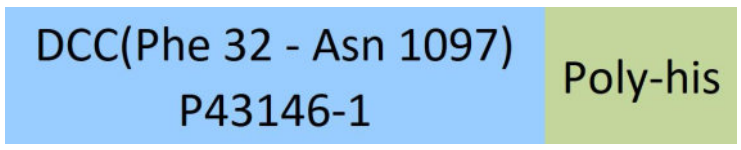
Synonym

Netrin receptor DCC,DCC,IGDCC1,netrin receptor DCC

Source

Human Netrin receptor DCC, His Tag(NEC-H52H3) is expressed from human 293 cells (HEK293). It contains AA Phe 32 - Asn 1097 (Accession # P43146-1). Predicted N-terminus: Phe 32

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 119.6 kDa. The protein migrates as 125-150 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

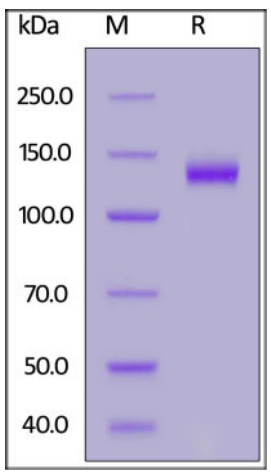
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

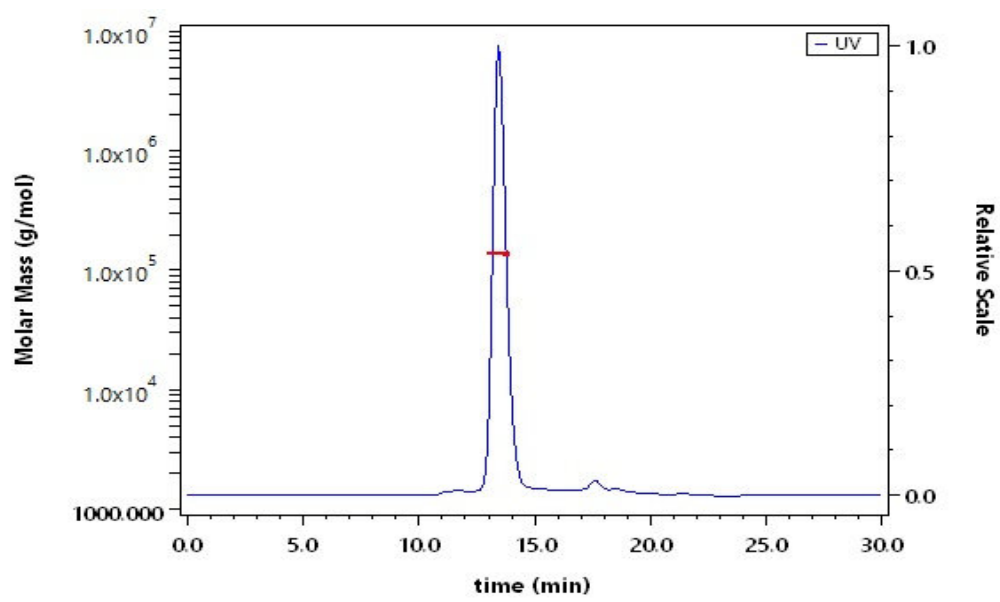
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



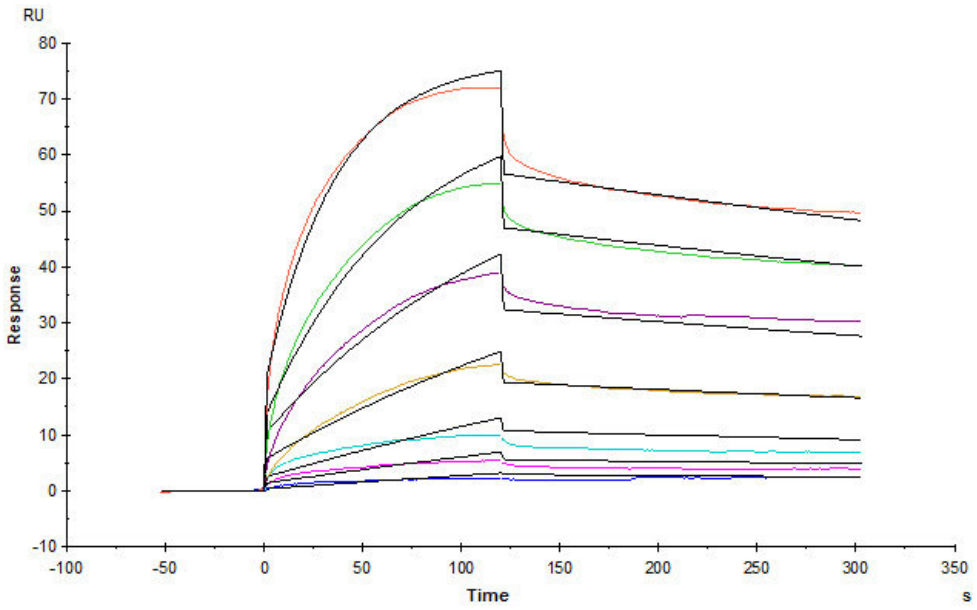
Human Netrin receptor DCC, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS



The purity of Human Netrin receptor DCC, His Tag (Cat. No. NEC-H52H3) is more than 85% and the molecular weight of this protein is around 130-145 kDa verified by SEC-MALS.
Report

Bioactivity-SPR



Human Netrin-1 Protein immobilized on CM5 Chip can bind Human Netrin receptor DCC, His Tag (Cat. No. NEC-H52H3) with an affinity constant of 31.8 nM as determined in a SPR assay (Biacore T200) (Routinely tested).

Background

Receptor for netrin required for axon guidance. Mediates axon attraction of neuronal growth cones in the developing nervous system upon ligand binding. Its association with UNC5 proteins may trigger signaling for axon repulsion. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand. Implicated as a tumor suppressor gene.