

# Recombinant Human Netrin 4, FLAG-tagged

**Cat. No.** NTN4-2174H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human Netrin 4 is produced in <i>HEK 293</i> cell and fused at the N-terminus to a FLAG-tag. MW= 70kDa.                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | The netrins (whose name means "one who guides" in Sanskrit) are a family of laminin-related secreted protein. In mice, human and rat, netrin-1, netrin-3/NTL2, netrin-4/b and G-netrins have been cloned. The netrins are involved in axonal guidance, are required for regeneration and maintenance of the central nervous system and have been implicated in the development of mammary gland, lung, pancreas, and blood vessel. |
| <b>Concentration</b>    | 0.1mg/ml after reconstitution.                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | ≥95% (SDS-PAGE).                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Formulation</b>      | Lyophilized. Contains PBS and 5% trehalose.                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Specificity</b>      | Binds to human, mouse and rat receptors UNC5H and DCC.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reconstitution</b>   | Reconstitute with 100μl sterile distilled water. Resuspended protein should be used immediately upon reconstitution to avoid loss in activity due to non-specific binding to the vial. Further dilutions should be made with medium containing 5% fetal calf serum                                                                                                                                                                 |

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or 0.5% BSA.

#### Storage And Stability

Stable for at least 6 months after receipt when stored at -20°C. Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.

### GENE INFORMATION

**Gene Name** NTN4 netrin 4 [ Homo sapiens ]

#### Synonyms

NTN4; netrin 4; PRO3091; FLJ23180; Netrin-4; beta-netrin; hepar-derived netrin-like protein

#### Gene ID

59277

#### mRNA Refseq

NM\_021229

#### Protein Refseq

NP\_067052

#### MIM

610401

#### UniProt ID

Q9HB63

#### Chromosome Location

12q22-q23

#### Pathway

Axon guidance

#### Function

protein binding

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