NTN1
Recombinant Human Netrin-1 FLAG

Catalog No.	CRH055A	**Quantity:**	10 µg
	CRH055B		3 x 10 µg
	CRH055C		100 µg

Alternate Names: NTN1L

Description: Netrin-1 controls guidance of CNS commissural axons and peripheral motor axons. Its association with either DCC or some UNC5 receptors will lead to axon attraction or repulsion, respectively. It also serve as a survival factor via its association with its receptors which prevent the initiation of apoptosis. Netrin-1 is also Involved in tumorigenesis by regulating apoptosis. Netrin-1 promotes atherosclerosis by retaining macrophages in the artery wall. Netrin-1 also governs induced pluripotent stem cell (iPS) formation and improves reprogramming efficiency of human and mouse somatic cells by limiting apoptosis mediated by Netrin-1 receptors DCC or UNC5b.
Human Netrin-1 (aa 25-604) is fused at the C-terminus to a FLAG tag

Gene ID: 9423

Protein Accession No: O95631

Source: HEK293 cells

Molecular Weight: ~80kDa (SDS-PAGE)

Formulation: Lyophilized. Contains PBS plus protein stabilizer. No BSA included. The protein stabilizer shows no interference with protein activity.

Purity: ≥95% (SDS-PAGE)

Endotoxin Level: <0.01 EU/µg purified protein as determined by LAL test (Lonza).

Specificity: Binds to human, mouse and rat UNC5B.

Biological Activity: Induces pluripotent stem cell (iPS) formation and improves reprogramming efficiency of human and mouse somatic cells by inhibiting apoptosis mediated by the receptors DCC or UNC5B (at 150 ng/ml). Induces axon outgrowth.

Reconstitution: Reconstitute 10 µg of protein with 100 µl (0.1 mg/ml) sterile water. PBS containing at least 0.1% BSA should be used for further dilutions.

Storage & Stability: Store at 4°C upon arrival and at -20°C for long term. Lyophilized product is stable for at least 6 months after receipt when stored at -20°C. After reconstitution, prepare aliquots and store at -20°C. **Avoid repeated freeze-thaw cycles.**

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