

For Research Use Only

Recombinant Human Draxin protein (rFc Tag)



Catalog Number: Eg4203

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human Draxin protein Gly26-Val349 (Accession# Q8NBI3) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

374946

Accession:

Q8NBI3

Predicted Molecular Mass:

62.1 kDa

SDS-PAGE:

67-85 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

C1orf187, also named Draxin (Dorsal repulsive axon guidance protein), is a repulsive axon guidance cue. It is widely expressed in the developing hippocampus, glioma, and all histological types of the lung cancer cell. Draxin was shown to bind a 22-amino-acid peptide of the EGF domain of Netrin-1, and through Draxin/Netrin-1 interaction, Draxin may act as a secreted Netrin-1 antagonist. C1orf187 can inhibit or repel neurite outgrowth from dorsal spinal cord. It inhibits the stabilization of cytosolic beta-catenin (CTNNB1) via its interaction with LRP6, thereby acting as an antagonist of Wnt signaling pathway.

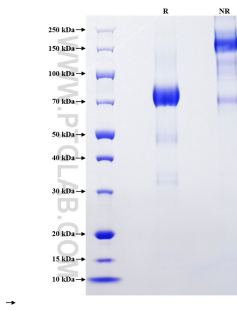
References

1. Ahmed G, Shinmyo Y. (2021) Front Neuroanat. 15:766911.
2. Shinmyo Y. (2025) Front Cell Dev Biol. 13:1560940.
3. Liu Y, Hong W, Zhou Y, et al. (2025) Development. 152(20):dev204718.
4. Pałasz A, Suszka-Switek A, Francikowski J, et al. (2021) Pharmaceuticals (Basel). 14(4):298.

Synonyms

C1orf187, AGPA3119, Dorsal inhibitory axon guidance protein, Neucrin, PSEC0258

Selected Validation Data



Purity of Recombinant Human Draxin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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