

For Research Use Only

Recombinant Rat Agrin protein (rFc Tag) (HPLC verified)



Catalog Number: Eg3412

Basic Information

Species:
Rat

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Rat Agrin protein Ala1153-Pro1948 (Accession# P25304-4) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
25592

Accession:
P25304-4

Predicted Molecular Mass:
112.4 kDa

SDS-PAGE:
120-130 kDa, reducing (R) condition

Formulation:
Lyophilized from 0.22 μm 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

Agrin is a multifunctional heparan sulfate proteoglycan originally discovered in the neuromuscular junctions and later observed in numerous other localizations. Agrin, either secreted or membrane-bound, is known to play multiple roles in both neural and non-neural tissues. Agrin is a component of the basal lamina that causes the aggregation of acetylcholine receptors on cultured muscle fibers. Agrin is also a key factor in axonal growth, and in the formation and maintenance of the blood-brain barrier.

References

1. Cohen, N. A., et al. (1997). Neuroscience. Jan;76(2):581-96.
2. Rupp, F., et al. (1991). Neuron. May;6(5), 811-823.
3. Tãtrai P, et al. (2006). Lab Invest. Nov;86(11):1149-1160.

Synonyms

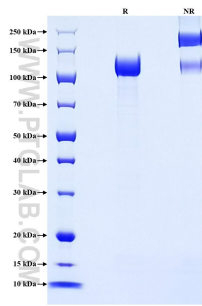
Agrin C-terminal 110 kDa subunit, Agrin C-terminal 22 kDa fragment, Agrin C-terminal 90 kDa fragment, Agrin N-terminal 110 kDa subunit, Agrin

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

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Selected Validation Data



Purity of Recombinant Rat Agrin 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.