

Recombinant Human CNTN2 protein (rFc Tag)

Catalog Number: Eg5489

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human CNTN2 protein Ser31-Asn1012 (Accession# Q02246) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

6900

Accession:

Q02246

Predicted Molecular Mass:

133.0 kDa

SDS-PAGE:

130-180 kDa, reducing (R) conditions

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

Contactin-2 (CNTN2), also known as CNTN2 or axonal glycoprotein TAG-1, is a cell adhesion molecule anchored within the cell membrane that is a member of the immunoglobulin family. It is reported to be transiently expressed in specific neurons during the fetal period. CNTN2 consists of six Ig domains followed by four fibronectin domains, and it is tethered to the cell surface by a glycosylphosphatidylinositol anchor. CNTN2 levels may reflect impairment of brain development and indirectly brain iron stores, which are likely deficient in infants of maternal IDA or chronic hypoxic states like IDMs.

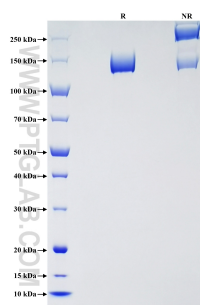
References

1. Yan Y, Jiang Y. Int J Mol Med. 2016;37(1):251-257.
2. Lu Z, Reddy MV, Liu J, et al. J Biol Chem. 2016;291(46):24133-24147.
3. Gurung S, Asante E, Hummel D, et al. Mech Dev. 2018;152:1-12.

Synonyms

Axonin 1, AXT, Contactin2, Contactin-2, TAG1

Selected Validation Data



Purity of Recombinant Human CNTN2 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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