

Recombinant Human Contactin 2/CNTN2 Protein (His Tag)

Catalog No. PKSH032278

Note: Centrifuge before opening to ensure complete recovery of vial contents.

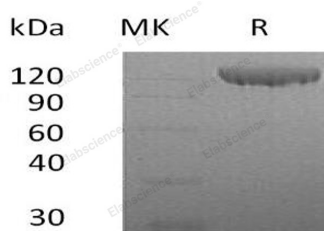
Description

Synonyms	Contactin-2;Axonal glycoprotein TAG-1;Axonin-1;Transient axonal glycoprotein 1;CNTN2;AXT;TAG1;TAX1
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser31-Asn1012
Accession	Q02246
Calculated Molecular Weight	108.5 kDa
Observed molecular weight	110-140 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Contactin-2 (CNTN2) is encoded by the CNTN2 gene, which belongs to the immunoglobulin superfamily and contactin

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family. It contains 4 fibronectin type-III domains and 6 Ig-like C2-type domains. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. CNTN2 may play a role in the formation of axon connections in the developing nervous system. In conjunction with another transmembrane protein, CNTNAP2, contributes to the organization of axonal domains at nodes of Ranvier by maintaining voltage-gated potassium channels at the juxtaparanodal region. It may also be involved in glial tumorigenesis and may provide a potential target for therapeutic intervention.