

**Human CellExp CNTN2/Contactin-2, human recombinant protein**

CNTN2, CNTN-2, AXT, DKFZp781D102, FLJ37193, FLJ42746, MGC157722, TAG-1, TAG1, TAX, TAX1, TAX-1, Cont  
Catalog # PBV11063r

**Specification**

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**Human CellExp CNTN2/Contactin-2, human recombinant protein - Product info**

Primary Accession  
Calculated MW

[Q02246](#)

This protein is fused with 6×his tag at the C-terminus and has a calculated MW of 109 kDa expressed. The predicted N-terminus is Ser 31. Protein migrates as 140 kDa in reduced SDS-PAGE resulting from glycosylation. KDa

**Human CellExp CNTN2/Contactin-2, human recombinant protein - Additional Info**

Gene ID  
Gene Symbol

6900  
CNTN2

**Other Names**

CNTN2, CNTN-2, AXT, DKFZp781D102, FLJ37193, FLJ42746, MGC157722, TAG-1, TAG1, TAX, TAX1, TAX-1, Contactin-2

Gene Source  
Source  
Assay&Purity  
Assay2&Purity2  
Recombinant  
Results

Human  
HEK293 cells  
SDS-PAGE; ≥95%  
N/A;  
Yes  
Measured by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons. Optimal neurite outgrowth was observed when neurons were plated on 96-well culture plates that had been precoated with 50 µl/well of the rhContactin2 solution at 8-30 µg/ml.

**Target/Specificity**

CNTN2/Contactin-2

**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

**Format**

Lyophilized

**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

## **Human CellExp CNTN2/Contactin-2, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Human CellExp CNTN2/Contactin-2, human recombinant protein - Images**

## **Human CellExp CNTN2/Contactin-2, human recombinant protein - Background**

Contactin-2 also known as CNTN2, TAX1 (transiently-expressed axonal glycoprotein), TAG1 (transient axonal glycoprotein), and axonin-1, and is a member of the immunoglobulin superfamily. CNTN2 consists of six Ig-like domains and four fibronectin type III domains, and is anchored to the membrane by glycosylphosphatidylinositol (GPI), whereas the soluble form can be released by a GPI-specific phospholipase. As a neural cell adhesion molecule expressed by a subset of neuronal populations in the developing CNS and PNS, CNTN2 mediates cell-cell interactions either via homophilic, or heterophilic contacts with various adhesion molecules including NgCAM, NrCAM, NCAM and neurocan. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. It may also be involved in glial tumorigenesis and may provide a potential target for therapeutic intervention.

## **Human CellExp CNTN2/Contactin-2, human recombinant protein - References**

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Tsiotra C.P., et al. Genomics 18:562-567(1993).  
Kozlov S.V., et al. Genomics 30:141-148(1995).  
Gregory S.G., et al. Nature 441:315-321(2006).  
Tsiotra C.P., et al. Submitted (NOV-1995) to the EMBL/GenBank/DBJ databases.