

# Human CellExp™ CNTN2/Contactin-2, human recombinant

**CATALOG #:** 7442-10 10 µg  
7442-50 50 µg

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

**SOURCE:** HEK 293 cells (Ser 31 – Asn 1012)

**PURITY:** ≥ 95% by SDS-PAGE gel

**MOL. WEIGHT:** This protein is fused with 6xhis 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.

**ENDOTOXIN LEVEL:** <1 EU/µg by LAL method

**FORM:** Lyophilized

**FORMULATION:** Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

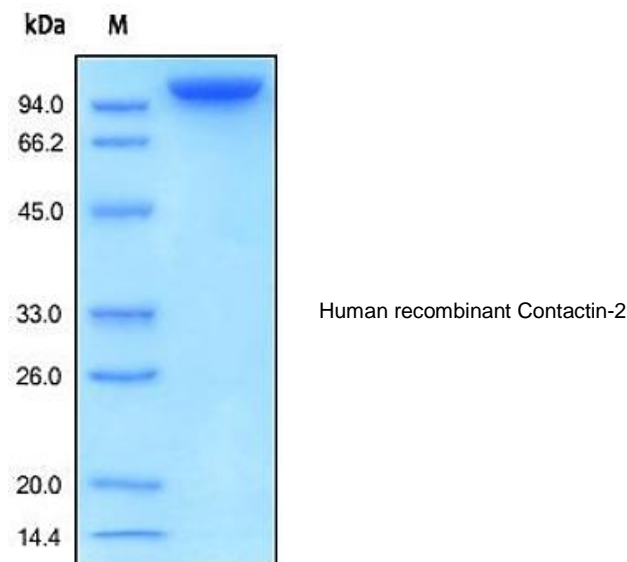
**STORAGE CONDITIONS:** Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

**RECONSTITUTION:** 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.

**DESCRIPTION:** 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

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.

**BIOLOGICAL ACTIVITY:** 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.



**RELATED PRODUCTS:**

- Tenascin (TN-C) Antibody (Cat. No. 3628-100)
- Tenascin (TN-C) Blocking Peptide (Cat. No. 3628BP-50)

**FOR RESEARCH USE ONLY! Not to be used in humans.**

