

**Recombinant Human Contactin-2/CNTN2/TAG-1 Protein(C-6His)**

**Cat.NO.: TP05291**

3th Edition

**Synonyms:**Contactin-2; Axonal glycoprotein TAG-1; Axonin-1; Transient axonal glycoprotein 1; CNTN2; AXT; TAG1; TAX1

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

**Form:**PBS

**Molecular Weight:**108.7 kDa

**Sequences:**Ser31-Asn1012

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.