

## 32-8501: Recombinant Human Contactin-2/CNTN2/TAG-1 (C-6His)

**Gene :** CNTN2  
**Gene ID :** 6900  
**Uniprot ID :** Q02246

### Description

Source: Human Cells.  
MW :108.7kD.

Recombinant Human Contactin-2 is produced by our Mammalian expression system and the target gene encoding Ser31-Asn1012 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** SQTTFGPFVFEQPLSVLFPEESTEEQVLLACRARASPPATYRWKMNGTEMKLEPGSRHQVLVGGNLMVIMNPTKA QDAGVYQCLASNPVGTVVSREAILRFGLQEFKSKEERDPVKAHEGWGVMLPCNPPAHYPGLSYRWLLNEFPNF IPTDGRHFVSQTTGNLYIARTNASDLGNYSLATSHMDFSTKSVFSKFAQLNLAEDTRLFAPSIKARFPAETAYAL VGQQVTLECFAGNPVPRIKWRKVDGSLSPQWTTAEPTLQIPSVSFEDEGTYECEAENSKGRDVTQGRIVQAQ PEWLKVISDTEADIGSNLRWGCAAAGKPRPTVRWLRNGEPLASQNRVEVLGDLRFKLSLEDSESGMYQCVAE NKHGTIYASAELAVQALAPDFRLNPVRRLLIPAARGGEILIPCQRAAPKAVVLWSKGTIELVNSSRVTVTPDGTLII RNISRSDGKYTCFAENFMGKANSTGILSVRDATKITLAPSSADINLGDNLTLQCHASHDPTMDLFTWTLLDDF PIDFDKPGGHYRRTNVKETIGDLTILNAQLRHGGKYTCMAQTVVDSASKEATVLRGPPGPPGGVVVRDIGDIT IQLSWSRFGDNHSPIAKYTLQARTPPAGKWKQVRTNPANIEGNAETAQVLGLTPWMDYEFRIASNILGTGEPG GPSSKIRTREAAPSVAPSGLSGGGGAPGELIVNWTMPSREYQNGDGFYLLSFRRQGSTHWQRTARVPGADAQ YFVYSNESVRPYTPFEVKIRSYNRRGDGPESLTALVYSAEEPRVAPTKVWAKGVSSSEMNVWEPVQQDMNG ILLGYEIRYWKAGDKAAADRVRTAGLDTSARVSLHPNTKYHVTVRAYNRAAGTGPASPSANATTKPPRRP PGNISWTFSSSSLSIKWDPVVPFRNESAVTGYKMLYQNDLHLTPTLHLTGKNWIEIPVEDIGHALVQIRTTGPG GDGIPAEVHIVRNGGTSMVENVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.