

## Recombinant Human CNTN2 Protein

Catalog #	Source	Reactivity	Applications
CRP1322	Human cells	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human CNTN2 Protein is produced by our mammalian expression system and the target gene encoding Ser31-Asn1012 is expressed with a 6His tag at the C-terminus.
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4.
<b>Gene Symbol</b>	CNTN2
<b>Alternative Names</b>	AXT; TAG1; TAX1; Contactin-2; Axonal glycoprotein TAG-1; Axonin-1; Transient axonal glycoprotein 1; TAX-1
<b>Entrez Gene</b>	6900 (Human)
<b>SwissProt</b>	Q02246 (Human)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	SQTTFGPVFE DQPLSVLFPE ESTEEQVLLA CRARASPPAT YRWKMNNGTEM KLEPGSRHQL VGGNLVIMNP TKAQDAGVYQ CLASNPVGTV VSREAILRFG FLQEFSKEER DPVKAHEGWG VMLPCNPPAH YPGLSYRWLL NEFPNFIPTD GRHFVSQTTG NLYIARTNAS DLGNYSCLAT SHMDFSTKSV FSKFAQLNLA AEDTRLFAPS IKARFPAETY ALVGQQVTLE CFAFGNPVPR IKWRKVDGSL SPQWTTAEPT LQIPSVSFED EGTYECEAEN SKGRDTVQGR IIVQAQPEWL KVISDTEADI GSNLRWGCAA AGKPRPTVRW LRNGEPLASQ NRVEVLGDL RFSKLSLEDS GMYQCVAENK HGTIYASAE AVQALAPDFR LNPVRRLLIPA ARGGEILIPC QPRAAPKAVV LWSKGTEILV NSSRVTVTPD GTLIIRNISR SDEGKYTCFA ENFMGKANST GILSVRDATK ITLAPSSADI NLGDNLTLC HASHDPTMDL TFTWTLDDFP IDFDKPGGHY RRTNVKETIG DLTILNAQLR HGGKYTCMAQ TVVDSASKEA TVLVRGPPGP PGGVVVRDIG DTTIQLSWSR GFDNHSPIAK YTLQARTPPA GKWKQVRTNP ANIEGNAETA QVLGLTPWMD YEFRVIASNI

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

LGTGEPSPGPS SKIRTREAAP SVAPSGLSGG GGAPGELIVN WTPMSREYQN GDGFGYLLSF  
RRQGSTHWQT ARVPGADAQY FVYSNESVRP YTPFEVKIRS YNRRGDGPES LTALVYSAEE  
EPRVAPTKVW AKGVSSSEM NVTWEPVQQDM NGILLGYEIR YWKAGDKEAA  
ADRVRTAGLD TSARVSGLHP NTKYHVTVRA YNRAGTGPAS PSANATTMKP PRRRPPGNIS  
WTFSSSSLSI KWDPVVPFRN ESAVTGYKML YQNDLHLTPT LHLTGKNWIE IPVPEDIGHA  
LVQIRTTGPG GDGIPAEVHI VRNGGTSM MV ENVDHHHHHH

## Quality Control

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

## Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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