

Recombinant Full Length Human CNTN4 Protein, GST-tagged

Cat. No. CNTN4-1991HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CNTN4 full-length ORF (AAH26119.1, 1 a.a. - 697 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	697 amino acids
Description	This gene encodes a member of the contactin family of immunoglobulins. Contactins are axon-associated cell adhesion molecules that function in neuronal network formation and plasticity. The encoded protein is a glycosylphosphatidylinositol-anchored neuronal membrane protein that may play a role in the formation of axon connections in the developing nervous system. Deletion or mutation of this gene may play a role in 3p deletion syndrome and autism spectrum disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2011]
Molecular Mass	102.9 kDa
AA Sequence	MEENVFWECKANGRPKPTYKWLKNGEPLLTRDRIQIEQGTLNITIVNLS DAGMYQCL AENKHGVIFSNAELSVI AVGPDFSRTLLKRVTLVKVGGEVVIECKPKASPKPVYTWKK GRDILKENERITISEDGNLRIINVTKSDAGSYTCIATNHFGTASSTGNLVVKDPTRVMV PPSSMDVTVGESIVLPCQVTHDHS LDIVFTWSFNHGLIDFDRDGDHFERVGGDSAG DLMIRNIQLKHAGKYVCMVQTSVDRLSAAADLIVRGPPGPPEAVTIDEITDTTAQLSW RPGPDNHSPITMYVIQARTPFSVGWQAVSTVPELIDGKTFTATVVGLNPWVEYEFRT

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VAANVIGIGEPSRPSEKRRTEEALPEVTPANVSGGGGSKSELVITWETVPEELQNGR
 GFGYVVAFRPYGKMIWMLTVLASADASRYVFRNESVHPFSPFEVKVGVFNNKGEG
 PFSPTTVVYSAEEEEPTKPPASIFARSLSATDIEVFWASPLEKNRGRIQGYEVKYWRH
 EDKEENARKIRTVGNQTSTKITNLKGSVLYHLAVKAYNSAGTGPSSATVNVTTTRKPP
 PSQPPGNIIWNSSDSKIILNWDQVKALDNESEVKGYKVLRYWNRQSSTSVIETNKTS
 VELSLPFDEYIIEIKPFSDGGDGSSEQIRIPKISNAYARGSGASTSNACTLSAISTIMI
 SLTARSSL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CNTN4 contactin 4 [Homo sapiens]

Official Symbol

CNTN4

Synonyms

CNTN4; contactin 4; contactin-4; BIG 2; neural cell adhesion protein BIG-2; axonal-associated cell adhesion molecule; brain-derived immunoglobulin superfamily protein 2; AXCAM; BIG-2; MGC33615

Gene ID

152330

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mRNA Refseq	NM_001206955
Protein Refseq	NP_001193884
MIM	607280
UniProt ID	Q8I WV2

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