Recombinant Human CNTNAP1 Protein, GST-tagged

Cat. No. CNTNAP1-1611H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CNTNAP1 partial ORF (NP_003623, 22 a.a. - 131 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The gene product was initially identified as a 190-kD protein associated with the contactin-PTPRZ1 complex. The 1,384-amino acid protein, also designated p190 or CASPR for 'contactin-associated protein,' includes an extracellular domain with several putative protein-protein interaction domains, a putative transmembrane domain, and a 74-amino acid cytoplasmic domain. Northern blot analysis showed that the gene is transcribed predominantly in brain as a transcript of 6.2 kb, with weak expression in several other tissues tested. The architecture of its extracellular domain is similar to that of neurexins, and this protein may be the signaling subunit of contactin, enabling recruitment and activation of intracellular signaling pathways in neurons. [provided by RefSeq, Jan 2009]
Molecular Mass	37.84 kDa
AA Sequence	YYGCDEELVGPLYARSLGASSYYSLLTAPRFARLHGISGWSPRIGDPNPWLQIDLMK KHRIRAVATQGSFNSWDWVTRYMLLYGDRVDSWTPFYQRGHNSTFFGNVNESA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

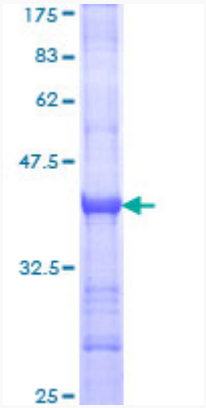
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45-1 Ramsey Road, Shirley, NY 11967, USA

	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	CNTNAP1 contactin associated protein 1 [Homo sapiens]
Official Symbol	CNTNAP1
Synonyms	P190; CASPR; NRXN4; CNTNAP
Gene ID	8506
mRNA Refseq	NM_003632.2
Protein Refseq	NP_003623.1
MIM	602346
UniProt ID	P78357

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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