

## Recombinant Human CNTNAP1 Protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human CNTNAP1 partial ORF ( NP_003623, 22 a.a. - 131 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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 neuexins, 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]
<b>Molecular Mass</b>	37.84 kDa
<b>AA Sequence</b>	YYGCDEELVGPLYARSLGASSYYSLLTAPRFARLHGISGWSPRIGDPNPWLQIDLK KHRIRAVATQGSFNWDWVTRYMLLYGDRVDSWTFYQQRGHNSTFFGNVNES
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CNTNAP1 contactin associated protein 1 [ Homo sapiens ]
<b>Official Symbol</b>	CNTNAP1
<b>Synonyms</b>	P190; CASPR; NRXN4; CNTNAP
<b>Gene ID</b>	8506
<b>mRNA Refseq</b>	NM_003632.2
<b>Protein Refseq</b>	NP_003623.1
<b>MIM</b>	602346
<b>UniProt ID</b>	P78357

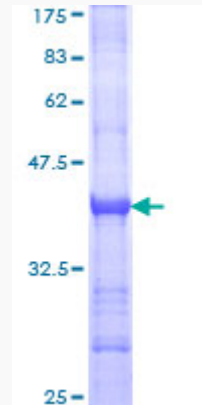
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**Quality Control**

**Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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