

Human CNTNAP1 Knockdown Cell Lysate

Cat. No. CNTNAP1-500HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated CNTNAP1 Knockdown HT-1080 Cell Lysate
Species	Human
Source	HT-1080
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 neuexins, and this protein may be the signaling subunit of contactin, enabling recruitment and activation of intracellular signaling pathways in neurons.
Form	Cell-Tissue Lysis buffer
Molecular Mass	156 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HT-1080 cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HT-1080 cell lysate 1 vial of 100 µg CNTNAP1 KD HT-1080 cell lysate
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Cell adhesion molecules (CAMs)
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	CNTNAP1 contactin associated protein 1 [Homo sapiens (human)]
Official Symbol	CNTNAP1
Synonyms	P190; CASPR; NRXN4; CNTNAP
Gene ID	8506
mRNA Refseq	NM_003632
Protein Refseq	NP_003623
MIM	602346

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UniProt ID

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