

Recombinant Human CNTNAP1 Protein (26-356 aa), His-SUMO-tagged

Cat. No. CNTNAP1-417H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human CNTNAP1 Protein (26-356 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.

Species Human

Source E.coli

ProteinLength 26-356 aa

Description Ses to play a role in the formation of functional distinct domains critical for saltatory conduction of nerve impulses in myelinated nerve fibers. Ses to darcate the paranodal region of the axo-glial junction. In association with contactin may have a role in the signaling between axons and myelinating glial cells.

Form Tris-based buffer, 50% glycerol

Molecular Mass 53.8 kDa

AA Sequence DEELVGPLYARSLGASSYYSLLTAPRFARLHGISGWSPRIGDPNPWLQIDLMKKHRI
RAVATQGSFNWDWVTRYMLLYGDRVDSWTFYQRGHNSTFFGNVNESAVVRHD
LHFHFTARYIRIVPLAWNPRGKIGLRLGLYGCPYKADILYFDGDDAISYRFPRGVSRS
LWDVFAFSFKTEEKDGLLLHAEGAQGDYVTLELEGAHLLLHMSLGSSPIQPRPGHTT
VSAGGVLNDQHWYVRVDRFGRDVFNTLDGYVQRFILNGDFERLNLDTFIGGLV

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GAARKNLAYRHNFRGCIENVIFNRVNIADLAVRRHSRITFEGKVAFRCL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

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](#)

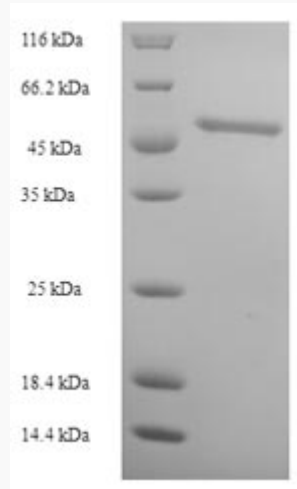
MIM [602346](#)

UniProt ID [P78357](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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