

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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.                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 26-356 aa                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 53.8 kDa                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | DEELVGPLYARSLGASSYYSLLTAPRFARLHGISGWSPRIGDPNPWLQIDLMKKHRI<br>RAVATQGSFNSWDWVTRYMLLYGDRVDSWTPFYQRGHNSTFFGNVNESAVVRHD<br>LHFHFTARYIRIVPLAWNPRGKIGLRLGLYGCPYKADILYFDGDDAISYRFPRGVSRS<br>LWDVFAFSFKTEEKDGLLLHAEGAQGDYVTLEGAHLLLHMSLGSSPIQPRPGHTT<br>VSAGGVLNDQHWYVRVDRFGRDVNFTLDGYVQRFILNGDFERLNLDTFIGGLV                       |

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|                      |                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | GAARKNLAYRHNFRGCIENVIFNRVNIADLAVRRHSRITFEGKVAFRCL                                                                                                                                                                                                                                                                   |
| <b>Purity</b>        | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | 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. |
| <b>Concentration</b> | A hardcopy of COA with concentration instruction is sent along with the products.                                                                                                                                                                                                                                   |

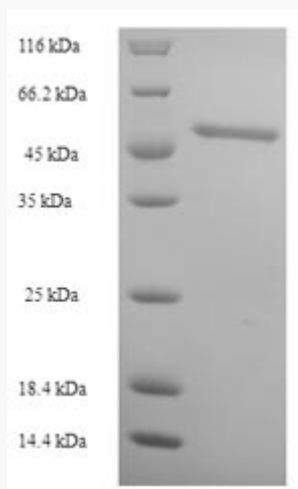
## GENE INFORMATION

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

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