

Recombinant Human CNTNAP4 protein, His & T7-tagged

Cat. No. CNTNAP4-5824H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CNTNAP4 aa. (Asn706~Lys886 (Accession # Q9C0A0)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asn706~Lys886
Description	This gene encodes a member of the neurexin protein family. Members of this family function in the vertebrate nervous system as cell adhesion molecules and receptors. This protein contains epidermal growth factor repeats and laminin G domains. In addition, it includes an F5/8 type C domain, discoidin/neuropilin- and fibrinogen-like domains, and thrombospondin N-terminal-like domains. This protein may also play a role in proper neurotransmission in the dopaminergic and GABAergic systems and mutations in this gene may be associated with certain psychiatric illnesses. A polymorphism in an intron of this gene may be associated with longevity.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

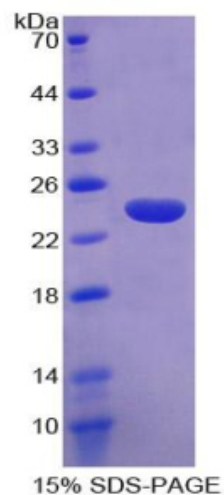
Gene Name	CNTNAP4 contactin associated protein like 4 [Homo sapiens (human)]
Official Symbol	CNTNAP4
Synonyms	CASPR4; cell recognition molecule Caspr4; contactin-associated protein-like 4
Gene ID	85445
mRNA Refseq	NM_001322178.1
Protein Refseq	NP_001309107.1
UniProt ID	Q9C0A0

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SDS-PAGE



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