Recombinant Human CNTN4 protein, His & T7-tagged

Cat. No. CNTN4-5813H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CNTN4 aa. (Arg731~Asp980 (Accession # Q8IWV2)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg731~Asp980
Description	This gene encodes a member of the contactin family of immunoglobulins. Contactins are axon-associated cell adhesion molecules that function in neuronal network formation and plasticity. The encoded protein is a glycosylphosphatidylinositol-anchored neuronal membrane protein that may play a role in the formation of axon connections in the developing nervous system. Deletion or mutation of this gene may play a role in 3p deletion syndrome and autism spectrum disorders. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.6kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%

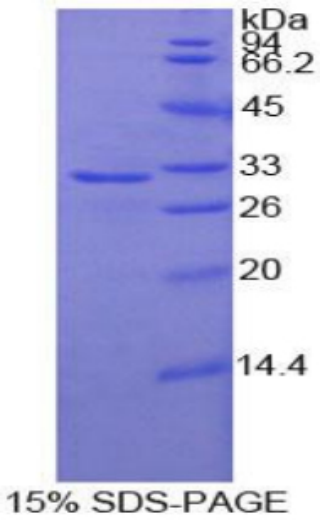
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Characteristic	The isoelectric point is 9.2.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 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	CNTN4 contactin 4 [Homo sapiens (human)]
Official Symbol	CNTN4
Synonyms	AXCAM; BIG-2; axonal-associated cell adhesion molecule; brain-derived immunoglobulin superfamily protein 2; neural cell adhesion protein BIG-2; contactin-4
Gene ID	152330
mRNA Refseq	NM_001206955.1
Protein Refseq	NP_001193884.1

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UniProt ID	Q8IWV2
SDS-PAGE	

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