Recombinant Human CNTN4 Protein, His Tagged

Cat. No. CNTN4-11203H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Contactin-4 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Asp 19-Ser 1000 (Accession # Q8IWV2-1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Asp 19
Species	Human
Source	HEK293
ProteinLength	19-1000 aa
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	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 110.7 kDa. The protein migrates as 130-180 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.

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Purity	>90% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CNTN4 contactin 4 [Homo sapiens (human)]
Official Symbol	CNTN4
Synonyms	CNTN4; contactin 4; contactin-4; BIG 2; neural cell adhesion protein BIG-2; axonal-associated cell adhesion molecule; brain-derived immunoglobulin superfamily protein 2; AXCAM; BIG-2; MGC33615;
Gene ID	152330
mRNA Refseq	NM_001206955
Protein Refseq	NP_001193884
MIM	607280
UniProt ID	Q8IWV2

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