Recombinant Human CNTN6 Protein (Met1-Ser999), HIgG1 Fc-tagged

Cat. No. CNTN6-687H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CNTN6 Protein (NP_055276.1) (Met1-Ser999) was produced by HEK293 Cells expression system. This protein was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser999
Description	Copy number variations (CNVs) of the human CNTN6 gene caused by megabase-scale microdeletions or microduplications in the 3p26.3 region are often the cause of neurodevelopmental disorders, including intellectual disability and developmental delay. Contactin genes CNTN5 and CNTN6 code for neuronal cell adhesion molecules that promote neurite outgrowth in sensory-motor neuronal pathways. The deletion or duplication of the CNTN6 gene is associated with a wide spectrum of neurodevelopmental behavioral disorders. The protein encoded by CNTN6 is a member of the immunoglobulin superfamily and functions as a cell adhesion molecule that is involved in the formation of axon connections in the developing nervous system.
Predicted N Terminal	Asp 20
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and

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	0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human CNTN6 consists of 1218 amino acids and predicts a molecular mass of 135.3 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. 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 mg/ml. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	CNTN6 contactin 6 [Homo sapiens]
Official Symbol	CNTN6
Synonyms	CNTN6; contactin 6; contactin-6; NB 3; NB3; MGC133256;

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Gene ID	27255
mRNA Refseq	NM_014461
Protein Refseq	NP_055276
MIM	607220
UniProt ID	Q9UQ52

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