

Active Recombinant Human Contactin 4, His-tagged

Cat. No. CNTN4-1923H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Contactin 4 was expressed in <i>Murine myeloma cell/line, NSO</i> derived Asp19 Gly1001, with a C terminal 10 His tag.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a member of the immunoglobulin superfamily. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.
Molecular Mass	110.1 kDa.
Purity	> 97%, as determined by SDS-PAGE and visualized by silver stain.
Activity	Measured by its ability to enhance neurite outgrowth of E18 rat embryonic cortical neurons. Able to significantly enhance neurite outgrowth when immobilized as a 3 µL droplet containing 400 ng on a nitrocellulose coated microplate.
Endotoxin	< 0.1 ng per 1 mg of the cytokine as determined by the LAL method.
Format	Lyophilized from a 0.2 mm filtered solution in PBS.

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Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
Storage	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. 12 months from date of receipt, 20 to 70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, 20 to 70 °C under sterile conditions after reconstitution.
GENE INFORMATION	
Gene Name	CNTN4 contactin 4 [Homo sapiens]
Synonyms	CNTN4; contactin 4; AXCAM; BIG-2; CNTN4A; MGC33615; CNTN4; OTTHUMP00000147567; BIG-2; MGC33615; OTTHUMP00000209582; axonal-associated cell adhesion molecule; neural cell adhesion protein BIG-2; Brain-derived immunoglobulin superfamily protein 2; OTTHUMP00000147566; AXCAM; CNTN4A
Gene ID	152330
mRNA Refseq	NM_175607
Protein Refseq	NP_783200
MIM	607280
UniProt ID	Q8I WV2
Chromosome Location	3p26.3
Function	protein binding