

## Active Recombinant Human Contactin 4, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Contactin 4 was expressed in <i>Murine myeloma cell line, NSO</i> derived Asp19 Gly1001, with a C terminal 10 His tag.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Molecular Mass</b>	110.1 kDa.
<b>Purity</b>	> 97%, as determined by SDS-PAGE and visualized by silver stain.
<b>Activity</b>	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 $\mu$ L droplet containing 400 ng on a nitrocellulose coated microplate.
<b>Endotoxin</b>	< 0.1 ng per 1 mg of the cytokine as determined by the LAL method.
<b>Format</b>	Lyophilized from a 0.2 mm filtered solution in PBS.

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<b>Reconstitution</b>	Reconstitute at 100 µg/mL in sterile PBS.
<b>Storage</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CNTN4 contactin 4 [ Homo sapiens ]
<b>Synonyms</b>	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
<b>Gene ID</b>	152330
<b>mRNA Refseq</b>	NM_175607
<b>Protein Refseq</b>	NP_783200
<b>MIM</b>	607280
<b>UniProt ID</b>	Q8IWW2
<b>Chromosome Location</b>	3p26.3
<b>Function</b>	protein binding

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