

Recombinant Mouse Cntn2 Protein, Gln31-Ser1014, C-6×His tagged

Cat. No. Cntn2-33M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cntn2 Protein, Gln31-Ser1014, with a C-terminal 6-His tag was expressed in Mouse myeloma cell line.
Species	Mouse
Source	Mouse myeloma cell
ProteinLength	Gln31-Ser1014
Description	This gene encodes a member of the contactin family of proteins, part of the immunoglobulin superfamily of cell adhesion molecules. The encoded glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein plays a role in the proliferation, migration, and axon guidance of neurons of the developing cerebellum. Mice lacking a functional copy of this gene exhibit epileptic seizures and elevated expression of A1 adenosine receptors.
Bio-activity	Measured by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons. Able to significantly enhance neurite outgrowth when immobilized at 6-25 µg/mL on a nitrocellulose-coated microplate.
Molecular Mass	Predicted Molecular Mass: 108.1 kDa SDS-PAGE: 135-145 kDa, under reducing conditions
Endotoxin	< 0.10 EU/µg of the protein by the LAL method.

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Purity	> 90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
N-terminal Sequence Analysis	No results obtained: Gln31 predicted
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 µm filtered solution in PBS.
Shipping	The product is shipped with dry ice or equivalent.
References	1. Wolfer, D. and R. J. Giger (1994) Swissprot Accession # Q61330. 2. Hasler, T.H. et al. (1993) Eur. J. Biochem. 211:329. 3. Karagogeos, D. (2003) Front. Biosci. 8:s1304.

GENE INFORMATION

Gene Name	Cntn2 contactin 2 [<i>Mus musculus</i>]
Official Symbol	Cntn2
Synonyms	CNTN2; contactin 2; contactin-2; TAX-1; axonin; axonin-1; axonal glycoprotein TAG-1; transient axonal glycoprotein 1; transiently-expressed axonal glycoprotein; Tax; TAG-1; D130012K04Rik;
Gene ID	21367
mRNA Refseq	NM_177129

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Protein Refseq	NP_796103
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UniProt ID	Q61330
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