

Datasheet for ABIN7320050

Contactin 5 Protein (CNTN5) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Contactin 5 (CNTN5)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Contactin 5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Contactin 5/CNTN5 Protein (His Tag)(Active)
Sequence:	Met1-Gln1058
Characteristics:	A DNA sequence encoding the mouse CNTN5 (P68500) (Met1-Gln1058) was expressed with a C-terminal polyhistidine tag.
Purity:	> 85 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of C6 cells. When 5 x 10E4 cells/well are added to CNTN5-coated plates (0.8 µg/mL and 100 µL/well), approximately >70% cells will adhere specifically after 60 minutes at 37°C.

Target Details

Target:	Contactin 5 (CNTN5)
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Target Details

Alternative Name:	Contactin 5/CNTN5 (CNTN5 Products)
Background:	<p>Background: Contactins are a subgroup of molecules belonging to the immunoglobulin superfamily that are expressed mainly in the nervous system. The subgroup consists of six members: Contactin-1, Contactin-2(TAG-1), Contactin-3(BIG-1), BIG-2, Contactin-5(NB-2) and NB-3. Since their identification in the late 1980s, Contactin-1 and Contactin-2 have been studied extensively. Axonal expression and the neurite extension activity of Contactin-1 and Contactin-2 attracted researchers to study the function of these molecules in axon guidance during development. Contactin-1 and Contactin-2 have come to be known as the principal molecules in the function and maintenance of myelinated neurons. In contrast, the function of the other four members of this subgroup remained unknown until recently. Contactin-5, also known as NB-2, is one of the neural recognition molecules in the contactin subgroup. Contactin-5 is expressed in brain and kidney and at very low level in placenta. In brain, Contactin-5 is highly expressed in the occipital lobe, amygdala, cerebral cortex, frontal lobe, thalamus and temporal lobe. Mice deficient in the Contactin-5 gene exhibit aberrant responses to acoustic stimuli. Contactin-5 may play a role in maturation of glutamatergic synapses in the brainstem during the final stages of auditory development. Contactin-5 gene may contribute to human neurological disorders.</p> <p>Synonym: 6720426O10Rik,A830025P08Rik,Gm507,NB-2</p>
Molecular Weight:	115.2 kDa
UniProt:	P68500
Pathways:	Sensory Perception of Sound

Application Details

Restrictions:	For Research Use only
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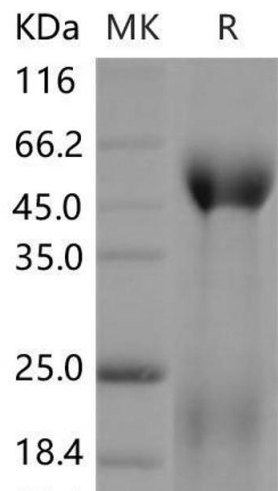
Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

Handling

samples are stable at < -20°C for 3 months.

Images



Western Blotting

Image 1.