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Datasheet for ABIN7317984

**Contactin 4 Protein (CNTN4) (His tag)**

## Overview

Quantity:	50 µg
Target:	Contactin 4 (CNTN4)
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Contactin 4 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Contactin 4/CNTN4 Protein (His Tag)
Sequence:	Met 1-Ser 1000
Characteristics:	A DNA sequence encoding the mature form of human CNTN4 isoform 1 (Q8IWW2-1) (Met 1-Ser 1000) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	Contactin 4 (CNTN4)
Alternative Name:	Contactin 4/CNTN4 ( <a href="#">CNTN4 Products</a> )
Background:	Background: Contactin-4, abbreviated as CNTN4, is a brain-derived protein belonging to the immunoglobulin superfamily. It has been found high expression in testes, thyroid, small intestine, uterus and brain. This protein is an neuronal membrane protein that functions as an

## Target Details

glycosylphosphatidylinositol- anchored cell adhesion molecule. Contactin-4 is considered as a candidate protein responsible for the differentiation potential of human neuroblastoma cells and it has been implicated in some cases of autism and spinocerebellar ataxia type 16. Studies of the contactin family have revealed a complex pattern of hemophilic and heterophilic interactions that are required for axon growth and pathfinding. Such studies demonstrate that these essential functions are mediated by the combination and juxtaposition of multiple Ig and FNIII domains. Second, these neuronal adhesion molecules demonstrate highly regulated temporal and spatial expression patterns in the CNS. For this reason, the disruption of the regulatory region of the predominant brain-expressed isoform reasonable would be expected to have significant functional consequences.

Synonym: AXCAM;BIG-2

Molecular Weight:	110 kDa
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.5, 10 % gly
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Storage:	4 °C,-20 °C,-80 °C
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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 samples are stable at < -20°C for 3 months.
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