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Datasheet for ABIN7317471
Neurexin 3 Protein (NRXN3) (Fc Tag)

Overview

Quantity:	100 µg
Target:	Neurexin 3 (NRXN3)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Neurexin 3 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human NRXN3 Protein (Fc Tag)(Active)
Sequence:	Met 1-Thr 357
Characteristics:	A DNA sequence encoding the human NRXN3 isoform 2 (NP_620426.2) extracellular domain (Met 1-Thr 357) was fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of C6 Rat brain glial cells. When 5 x 10E4 cells/well are added to NRXN3 coated plates (0.8 µg/ml and 100 µl/well), >30 % will adhere specifically after 60 minutes at 37°C.

Target Details

Target:	Neurexin 3 (NRXN3)
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Target Details

Alternative Name: [NRXN3 \(NRXN3 Products\)](#)

Background: Neurexin-3-beta; also known as Neurexin III-beta and NRXN3; is a single-pass type I membrane protein which belongs to the neurexin family. It contains one laminin G-like domain. It is a neuronal cell surface protein that may be involved in cell recognition and cell adhesion. Neurexins are a family of proteins that function in the vertebrate nervous system as cell adhesion molecules and receptors. They are encoded by several unlinked genes of which two; NRXN1 and NRXN3; are among the largest known human genes. Three of the genes (NRXN1; NRXN2; NRXN3) utilize two alternate promoters and include numerous alternatively spliced exons to generate thousands of distinct mRNA transcripts and protein isoforms. The majority of transcripts are produced from the upstream promoter and encode alpha-neurexin isoforms; a much smaller number of transcripts are produced from the downstream promoter and encode beta-neurexin isoforms. The alpha-neurexins contain EGF-like sequences and laminin G domains; and have been shown to interact with neurexophilins. The beta-neurexins lack EGF-like sequences and contain fewer laminin G domains than alpha-neurexins. NRXN3 have been linked to genetic predisposition towards a number of conditions such as alcohol or drug addiction; or obesity.

Synonym: C14orf60

Molecular Weight: 61.6 kDa

NCBI Accession: [NP_620426](#)

Application Details

Restrictions: For Research Use only

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