SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human NRXN1 (Neurexin 1) Expressed in NS0 for Antibody Discovery, Partial (51-363aa)

Cat. No.: **MPX0070K**
This product is for research use only and is not intended for diagnostic use.

This product is a 59.9 kDa Human NRXN1 membrane protein expressed in NS0. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
NRXN1

Protein Length
Partial (51-363aa)

Protein Class
Transporter; Ion channel

Molecular Weight
59.9 kDa

TMD
1

Sequence
ESEMSFQLKTRSARGLVLYFDDEGFCDFLELILTRGGRLQLSFSIFCAEP
ATLLADTPVNDGAWHSVRIRRQFRNTTLFIDQVEAKWVEVKSKRRDMTVF
SGLFVGGLPPELRAAALKLTLASVREREPFKGWIRDVRVNSSQVLPVDSG
EVKLDDEPPNSGGGSPCEAGEEGEGGVCLNGGVCSVVDDQAVCDCSRTGF
RGKDCSQEDNNVEGLAHLMMGDQGKSKGKEEYIATFKGSEYFCYDLSQNP
IQSSSDEITLSFKTLQRNGLMLHTGKSADYVNLALKNGAVSLVINLGSGA
FEALVEPVNGKFN

Product Description

Expression Systems
NS0

Tag
hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 500 μg/mL in sterile PBS.

Endotoxin

<0.1 EU/μg by the LAL method

Purity

>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 μm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

NRXN1

Full Name

Neurexin 1

Introduction

This gene encodes a single-pass type I membrane protein that belongs to the neurexin family. Neurexins are cell-surface receptors that bind neuroligins to form Ca(2+)-dependent neurexin/neuroligin complexes at synapses in the central nervous system. This complex is required for efficient neurotransmission and is involved in the formation of synaptic contacts. Three members of this gene family have been studied in detail and are estimated to generate over 3,000 variants through the use of two alternative promoters (alpha and beta) and extensive alternative splicing in each family member. Recently, a third promoter (gamma) was identified for this gene in the 3' region. Mutations in this gene are associated with Pitt-Hopkins-like syndrome-2 and may contribute to susceptibility to schizophrenia.

Alternative Names

PTHSL2; SCZD17; Hs.22998; neurexin I; NRXN1; Neurexin 1

Gene ID

9378

UniProt ID

Q9ULB1

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com