

Product Information

MemDX™ Membrane Protein Human NRXN2 (Neurexin 2) Expressed in CHO for Antibody

Discovery, Partial (1-1566aa)

Cat. No.: **MPX0071K**

This product is for research use only and is not intended for diagnostic use.

This product is a 193 kDa Human NRXN2 membrane protein expressed in CHO. 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

NRXN2

Protein Length

Partial (1-1566aa)

Protein Class

Transporter; Ion channel

Molecular Weight

193 kDa

TMD

1

Sequence

MASGSRWRPTPPPLLLLLLLLLLALAARADGLEFGGGPGQWARYARWAGAASS
GELSFSLRTNATRALLLYLDDGGDCDFLELLLVDGRLRLRFTLSCAEPAT
LQLDTPVADDRWHMVLLTRDARRTALAVDGEARAAEVRSKRREMQRVASDL
FVGGIPPDVRLSALTSTVKYEPFRGLLANLKLGERPPALLGSQGLRGA
TADPLCAPARNPCANGGLCTVLAPGEVGCDCSHTGFGGKFCSEEEHPMEG
PAHLTLNSEVGSLLFSEGGAGRGGAGDVHQPTKGKEEFVATFKGNEFFCY
DLSHNPIQSSTDEITLAFRTLQRNGLMLHTGKSADYVNLCLKSAGVWLVI
NLGSGAFEALVEPVNGKFNDNAWHDVVRVTRNLRQHAGIGHAMVNLHLYLV
TISVDGILTTTGYTQEDYTMLGSDDFFYIGGSPNTADLPGSPVSNNFMGC
LKDVVYKNNDFKLELSRLAKEGDPKMKLQGDLSFRCEDVAALDPVTFESP
EAFVALPRWSAKRTGSISLDFRTEPNGLLLFSQGRRAGGGAGSHSSAQR
ADYFAMELLDGHLYLLLDMSGGKIKLRASSRKVNDGEWCHVDFQRDGRKG
SISVNSRSTPFLATGDSEILDLESELYLGGPEGGRRVDLPLPPEVWTAAL
RAGYVGCVRDLFDGRSRDLRGLAEAQGAVGVAPFCSRETLLKQCASAPCR
NGGVCREGWNRFCDCIGTGFLGRVCEREATVLSYDGSMYMKIMLPNAMH
TEAEDVSLRFMSQRAYGLMMATTSRESADTLRLELDGGQMKLTVNLDCLR
VGCAPSKGPETLFAGHKLNDNEWHTVRVRRGKSLQLSVDNVTVEGQMAG
AHMRLEFHNIETGIMTERRFISVVPNSFIGHLSGLVFNGQPYMDQCKDGD
ITYCELNARFGLRAIVADPVTFKSRSSYLALATLQAYASMHFFQFKTTA

PDGLLLNSGNGNDFIVIELVKGYIHYVFDLGNPGLMKGNSDKPVDNQ
WHNVVSRDPGNVHTLKIDSRTVTQHSNGARNLDLKGELYIGGLSKNMF5
NLPKLVASRDGFQGCCLASVDLNGRLPDLIADALHRIGQVERGCDGPSTTC
TEESCANQGVCCLQQWDGFTCDCTMTSYGGPVCNDPGTTYIFGKGGALITY
TWPPNDRPSTRMDRLAVGFSTHQRSVAVLVRVDSASGLGDYLLQLHIDQGTV
GVIFNVGTDDITIDEPNNAIVSDGKYHVVRFRTRSGGNATLQVDSWPVNERY
PAGNFDNERLAIARQRIPIYRLGRVDEWLLDKGRQLTIFNSQAAIKIGGR
DQGRPFQGVVSLYNGKVLALAAESDPNVRTEGHLRLVGEGPSVLLSA
ETTATLLADMATTIMETTTTMTATTTTRRGRSPTLRDSTTQNTDDLIVAS
AECPSDDEDLLEECPSTGGELILPIITEDSLDPPPVA TRSPFVPPPPTFY
PFLTGVGATQDTLPPPAARRPPSGGPCQAERDDSDCEEPIEASGFASGEV
FDSSLPPTDDEDFYTTFPLVTDRTLLSPRKPAPRPNLRTDGATGAPGVL
FAPSAPAPNLPAGKMN

Product Description

Expression Systems

CHO

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 µg/mL in PBS.

Endotoxin

<0.1 EU/µg by the LAL method

Purity

>95%, by SDS-PAGE under reducing conditions and visualized by silver stain

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

NRXN2

Full Name

Neurexin 2

Introduction

This gene encodes a member of the neurexin gene family. The products of these genes function as cell adhesion molecules and receptors in the vertebrate nervous system. These genes utilize two promoters. The majority of transcripts

are produced from the upstream promoter and encode alpha-neurexin isoforms while a smaller number of transcripts are produced from the downstream promoter and encode beta-neuresin isoforms. The alpha-neurexins contain epidermal growth factor-like (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. Alternative splicing and the use of alternative promoters may generate thousands of transcript variants.

Alternative Names

Neurexin-2-beta; neurexin II; NRXN2; Neurexin 2

Gene ID

[9379](#)

UniProt ID

[Q9P2S2](#)