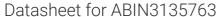
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Neurexin 3 Protein (NRXN3) (AA 28-1571) (rho-1D4 tag)



Overview

Quantity:	1 mg
Target:	Neurexin 3 (NRXN3)
Protein Characteristics:	AA 28-1571
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neurexin 3 protein is labelled with rho-1D4 tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence:

LEFMGLPNQW ARYLRWDAST RSDLSFQFKT NVSTGLLLYL DDGGVCDFLC LSLVDGRVQL RFSMDCAETT VLSNKQVNDS SWHFLMVSRD RVRTGLVIDG EGQSGELRPQ RPYMDVVSDL FLGGVPADIR PSALTLDGVQ SMPGFKGLML DLKYGNSEPR LLGSQSVQLE AEGPCGERPC ENGGICFLLD GHPTCDCSTT GYGGTLCSED VSQGPGLSHL MMSEQAREEN VATFRGSEYL CYDLSQNPIQ SSSDEITLSF KTWQRNGLIL HTGKSADYVN LALKDGAVSL VINLGSGAFE AIVEPVNGKF NDNAWHDVKV TRNLRQVTIS VDGILTTTGY TQEDYTMLGS DDFFYVGGSP STADLPGSPV SNNFMGCLKE VVYKNNDIRL ELSRLARIGD TKMKIYGEVV FKCENVATLD PINFETPEAY ISLPKWNTKR MGSISFDFRT TEPNGLILFT HGKPQERKDV RSQKNTKVDF FAVELLDGNL YLLLDMGSGT IKVKATQKKA NDGEWYHVDI QRDGRSGTIS VNSRRTPFTA SGESEILDLE GDMYLGGLPE NRAGLILPTE LWTAMLNYGY VGCIRDLFID GRSKNIRQLA EMQNAAGVKS SCSRMSAKQC DSYPCKNNAV CKDGWNRFIC DCTGTGYWGR TCEREASILS YDGSMYMKVI MPMVMHTEAE DVSFRFMSOR AYGLLVATTS RDSADTLRLE LDGGRVKLMV

NLDCIRINCN SSKGPETLYA GQKLNDNEWH TVRVVRRGKS LKLTVDDDVA EGTMVGDHTR
LEFHNIETGI MTEKRYISVV PSSFIGHLQS LMFNGLLYID LCKNGDIDYC ELKARFGLRN
IIADPVTFKT KSSYLTLATL QAYTSMHLFF QFKTTSADGF ILFNSGDGND FIAVELVKGY
IHYVFDLGNG PNVIKGNSDR PLNDNQWHNV VITRDSSNTH SLKVDTKVVT QVINGAKNLD
LKGDLYMAGL AQGMYSNLPK LVASRDGFQG CLASVDLNGR LPDLINDALH RSGQIERGCE
GPSTTCQEDS CANQGVCMQQ WEGFTCDCSM TSYSGNQCND PGATYIFGKS GGLILYTWPA
NDRPSTRSDR LAVGFSTTVK DGILVRIDSA PGLGDFLQLH IEQGKIGVVF NIGTVDISIK
EERTPVNDGK YHVVRFTRNG GNATLQVDNW PVNEHYPTGN TDNERLQMVK QKIPFKYNRP
VEEWLQEKGR QLTIFNTQAQ IAIGGKDKGR LFQGQLSGLY YDGLKVLNMA AENNPNIKIN
GSVRLVGEVP SVSGTTQTTS MPPEMSTTVM ETTTTMATTT TRKNRSTASI QPTSDDLVSS
AECSSDDEDF VECEPSTDKS LSTSIFEGGY KAHAPKWESK DFRPNKVSET SRTTTTSLSP
ELIRFTASSS SGMVPKLPAG KMNNRDLKPQ PDIVLLPLPT AYELDSTKLK SPLITSPMFR
NVPTANPTEP GIRRVPGASE VIRESSSTTG MVVGIVAAAA LCILILLYAM YKYRNRDEGS
YQVDETRNYI SNSAQSNGTL MKEKQASSKS GHKKQKNKDK EYYV

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany from design to production by highly experienced protein experts.
- Mouse Nrxn3 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made to order protein and will be made for the first time for your order. Our experts in the lab will ensure that you receive a correctly folded protein.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered. The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

Product Details

	The concentration of the protein is calculated using its specific absorption coefficient. We use
	the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Three step purification of membrane proteins expressed in baculovirus infected SF9 insect
	cells:
	 Membrane proteins are fractioned by ultracentrifugation and subsequently solubilized with different detergents (detergent screen). Samples are analyzed by Western blot.
	2. The best performing detergent is used for solubilization and the proteins are purified via their rho1D4 tag via two rho1D4 antibody columns: one DTT resistant, the other one not. Eluate
	fractions are analyzed by Western blot. 3. Protein containing fractions of the best purification are subjected to second purification step.
	through size exclusion chromatograph. Eluate fractions are analyzed by SDS-PAGE and
	Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin-free.
Grade:	Crystallography grade
Target Details	
Target:	Neurexin 3 (NRXN3)
Alternative Name:	Nrxn3 (NRXN3 Products)
Background:	Neuronal cell surface protein that may be involved in cell recognition and cell adhesion. May
	mediate intracellular signaling (By similarity). {ECO:0000250}.
Molecular Weight:	171.7 kDa Including tag.
UniProt:	Q6P9K9
Application Details	
Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
	as well. As the protein has not been tested for functional studies yet we cannot offer a gurante
Comment:	as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee
Comment:	as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee though.

Application Details

	options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)