

Datasheet for ABIN3119399

Neurexin 3 Protein (NRXN3) (AA 28-1643) (rho-1D4 tag)[Go to Product page](#)**1** Image

Overview

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| Quantity: | 1 mg |
| Target: | Neurexin 3 (NRXN3) |
| Protein Characteristics: | AA 28-1643 |
| Origin: | Human |
| 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

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| Sequence: | LEFMGLPNQW ARYLRWDAST RSDLSFQFKT NVSTGLLLYL DDGGVCDFLC LSLVDGRVQL RFSMDCAETA VLSNKQVND S WHFLMVS RD RLRTVLMLDG EGQSGELQPQ RPYMDVVS DL FLGGVPTDIR PSALTLDGVQ AMPGFKGLIL DLKYGNSEPR LLGSRGVQMD AEGPCGERPC ENGGICFLLD GHPTCDCSTT GYGKLCSED VSQDPGLSHL MMSEQAREEN VATFRGSEYL CYDLSQNPIQ SSSDEITLSF KTWQRNGLIL HTGKSADYVN LALKDGAVSL VINLGSGAFE AIVEPVNGKF NDNAWHDKV TRNLRQVTIS VDGILTTTGY TQEDYTMLGS DDFYVGGSP STADLPGPSV SNNFMGCLKE VVYKNNDIRL ELSRLARIAD TKMKIYGEV FKENVATLD PINFETPEAY ISLPKWNTKR MGSISDFRT TEPNGLILFT HGKPQERKDA RSQKNTKVDF FAVELLDGNL YLLDMSGST IKVKATQKKA NDGEWYHVDI QRDGRSGTIS VNSRRTPTFA SGESEILDLE GDMYLGGLPE NRAGLILPTE LWTAMLNYGY VGCIRDLFID GRKNIRQLA EMQNAAGVKS SCSRMSAKQC DSYPCKNN AV CKDGWNRFC DCTGTGYWGR TCEREASILS YDGSMYMKII MPMVMHTEAE DVSFRFMSQR AYGLLVATTS RDSADTLRLE LDGGRVKLMV |
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NLDCIRINCN SSKGPETLYA GQKLNDNEWH TVRVVRRGKS LKLTVDDDVA EGTMGVDHTR
LEFHNIETGI MTEKRYISVV PSSFIGHLQS LMFNGLLYID LCKNGDIDYC ELKARFGLRN
IIADPVTFTK KSSYLSLATL QAYTSMHLFF QFKTTSPDGF ILFNSGDGND FIAVELVKGY
IHVYFDLGNG PNVIKGNSDR PLNDNQWHNV VITRDNSTH SLKVDTKVVT QVINGAKNLD
LKGDLYMAGL AQGMYSNLPK LVASRDGFQG CLASVDLNGR LPDLINDALH RSGQIERGCE
GPSTTCQEDS CANQGVCMQQ WEGFTCDCSM TSYSGNQCND PGATYIFGKS GGLILYTWPA
NDRPSTRSDR LAVGFSTTVK DGILVRIDSA PGLGDFLQLH IEQGKIGVVF NIGTVDISIK
EERTPVNDGK YHVVRFRNG GNATLQVDNW PVNEHYPTGR QLTIFNTQAQ IAIGGKDKGR
LFQQQLSGLY YDGLKVLNMA AENNPNIKIN GSVRLVGEVP SILGTTQTTS MPPEMSTTVM
ETTTTMATTT TRKNRSTASI QPTSDDLVS AECSSDDEDF VECEPSTTGG ELVIPLLVED
PLATPPIATR APSITLPPTF RPLLTIIETT KDSLSTSEA GLPCLSDQGS DGCDDGLVI
SGYGSGETFD SNLPPTDDED FYTTFSLVTD KSLSTSIFEG GYKAHAPKWE SKDFRPNKVS
ETSRTTTTSL SPELIRFTAS SSSGMVPKLP AGKMNNRDLK PQPDIVLLPL PTAYELDSTK
LKSPLITSPM FRNVPTANPT EPGIRRVPGA SEVIRESSST TGMVVGIVAA AALCILILLY
AMYKYRNRDE GSYQVDETRN YISNSAQSNQ TLMKEKQSS KSGHKKQKNK DREYYV

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.
- Human 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 receipt 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

Product Details

specific reference buffer.

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.

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| Purification: | Three step purification of membrane proteins expressed in baculovirus infected SF9 insect cells: 1. 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

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| 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. |
| Molecular Weight: | 179.0 kDa Including tag. |
| UniProt: | Q9Y4C0 |

Application Details

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| 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 guarantee though. |
| Comment: | In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to |

Application Details

increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.

Restrictions: For Research Use only

Handling

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| 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) |

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process