

Datasheet for ABIN3135206  
**Neutralized Homolog 4 (Drosophila) (NEURL4) (AA 1-1563)  
 protein (His tag)**



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1 Image

Overview

Quantity:	1 mg
Target:	Neutralized Homolog 4 (Drosophila) (NEURL4)
Protein Characteristics:	AA 1-1563
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence: MAAGSGGSGG SGAGPGPGPG PGGGGGPGSS GPGLGSGGGL GGGGELHPRT GRLVSLSACG  
 RTARRQQPGQ EFNHGLVLSR EPLRDGRVFT VRIDRVNSW SGSIEIGVTA LDPSVLDFPS  
 SATGLKGGSW VVSGCSVLRD GRSVLEEYQG DLDQLVEGDR VGVERTATGE LRLWVNGRDC  
 GVAATGLPAR VWAVVDLYGK CTQITVLPSE PGFSPPTPVP TTPLEPLAPP EDSALLEQGT  
 SVDEAFMVSP AQARPETFPN SLDSHNDPAS MELSEVVSNA ILSAYNGLL NVSLSSPPAG  
 DGLASSGPAT SPILTSNDAL LFHEKCGTLI KLSNNNKTAE RRRPLDEFNN GVMVTNRPLR  
 DNEMFEIRID KLVDKWSGSI EIGVTTHNPN SLEYPATMTN LQSGTIMMSG CGILTNGKGT  
 RREYCEFSLD ELQEGDHIGL TRKSNSALHF FINGIDQGVA TPLTPPVVYG VVDLYGMAVK  
 VTIVHNNHNS DRLRRNNAIL RALSPEGALR RAAPAAQAE ERLLFHPNCG QKAAITHEGR  
 TALRPHATDD FNHGVVLSR ALRDGEVFQV RIDKMVDKWA GSIEIGVTTH NPAYLQLPST  
 MTNLRSGTWM MTGNGVMHNG TTILDEYGHN LDRLKAGDTV GVRREDGTL HFFVNGMTQG  
 PAAWNVPPGV YAVVDLYGQA AQATIVDDVE VPPVSEPLPE GNNQMSPSSP SSAAGGSDLR

FHQLHGSAV ITNGGRTALR HNCRSEFNDA IVISNRALRD GELFEIVIQK MVDRWSGSIE  
AGVTAIRPED LEFPNTMTDI DYDTWMLSGT AIMQDGNTMR NNYGCDLDAL GTGARIGMMR  
TAKGDLHYFI NGQDQGAACS GLPPGKEYVA VVDLYGQCVQ VSITNATGPM DNSLATSNTA  
TEKSFPLHSP VAGVAHRFHS MCGKNVTL EE DGTRAVRVAG YAHGLVFSTK ELKAEVFEV  
KVEELDEKWA GSLRLGLTTL APEDMGPAG SGPGLPPSLP ELRTKTTWMV SSCEVRRDGH  
LQRMNYGRNL ERLGVGSRVG IRRCADDTMH ILVDGEDMGP AAAGIAKNVW AVLDLYGPVR  
SVAIVSSTR L EEPEGTQPPS PSSDTGSEVE EDDEVEEQGL RGQNQVGIVP TALEFLENHG  
KNILLSNGNR TATRVASYNQ GIVVISQPLV PHMLVQVRID FLNRQWTSSL VLGVITCPPE  
RLNFPASACA LKRAAWLLRG RGVFHNLKI CEKFGPNLDT CPEGTILGLR LDSSGGLHLH  
INGVDQGVAV PDVQPCHAL VDLYGQCEQV TIVSPDPGTA SGKIAGTQGD MEKADMVDGI  
KESVCWGPPP AASPLKSCEY HALCSRFQEL LLLPEDYFMP PPKRSLCYCE SCRKLGRDEA  
HRRRGEPPRE YALPFGWCRF NLRVNPHEA GTLTKKWHMA YHGSSVAVVR RVLDRGELGA  
GTTSILSCR P LKGEPGVGFE EPGENCAPPR EEQPPVLLS PSLQYAGAEM LASKVQFRDP  
KSQRTHAQV AFQVCVRPGS YTPGPPSAAL RELPDQHFSP SELEWVTKEK GATLLYALLV RVE

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

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### Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Neurl4 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 specific reference buffer.

## Product Details

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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:** Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. 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:** Neuralized Homolog 4 (Drosophila) (NEURL4)

**Alternative Name:** Neurl4 ([NEURL4 Products](#))

**Background:** Promotes CCP110 ubiquitination and proteasome-dependent degradation. By counteracting accumulation of CP110, maintains normal centriolar homeostasis and preventing formation of ectopic microtubular organizing centers (By similarity). {ECO:0000250}.

**Molecular Weight:** 168.6 kDa Including tag.

**UniProt:** [Q5NCX5](#)

## 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:** Protein has not been tested for activity yet. 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 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

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