

Datasheet for ABIN3136324

ASXL2 Protein (AA 1-1370) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	1 mg
Target:	ASXL2
Protein Characteristics:	AA 1-1370
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASXL2 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence: MREKGRRKKG RTWAEAAKTV LEKYPNTPMS HKEILQVIQR EGLKEIRSGT SPLACLNAML
HTNSRGEEGI FYKVPGRMGV YTLKKDVPDG VKELSECSEE SSDGQSDSHS SDNSSSSDGG
SNKEGRKSRW KRKVSSRLSH PPSPPSGCPS PTIPASKVIS PSQKHSHKAL KQALKQQQQK
KKQQQCRPSM SISNQHLSLK TVKAASDSVP AKPGQMKRTK CADIDVETPD SILVNTNLRA
LINKHTFSVL PGDCQQRLLL LLPEVDRQVG PDGLMKLNLS ALNNEFFTSA AQGWKERLSE
GEFTPEMQVR IRQEIEKEK VELWKEQFFE NYYGQSSGLS LEDSQLTAS SSDPKAKKTP
AEQPKSILPS EASPVRIPV VPQSECKEEA VQIPSPSQKE ENQDEARPDS KSPEPVLASA
SNTNELITMK PIKSPKDEGL LEQKPVACAE QESEKENHVT TTSRNNKSEN QEALAIOSPK
SKNAGLQKPI IKPVAEASPL NPDMKMPPAT VTDQIQESLK RKSSLTDEEA TSSWEKRPRI
TENRQHQQPF QVSPQPFLNR GDRVQVRKVP PLKIPVSRIS PMLFSTSQVS PRARFPISIT
SPYRTGARTL ADIKAKAQLV EAQKAAAAA AAAAAAASVG GTIPGPGPGG GQSPREGGER
KIAGGGSAGS DPVSTNGKGP TLELAGTGSR GGTRELLPCG PQPETNMPGQ AQPPGISGAQ

LQQTSSVPTG LASSGACTSV PLPAHIEISN SEKPNLHKAT ATAASPCHLQ DPRSCRLEKA
LSPTGPPLIS GASTVYFVAD GTVEPKAGSN KNAPKPSALA KTTAPAPLDM TSSPVTTASL
EKLPVPQISG TATSTGSAPS SSTLPAASSL KTPGTSANMN GPISRTSSSI PANNPLVTQL
LQGKDVPLEQ ILPKPLTKIE MKTVPLTTKE EKGIGIFPGI SVMESSSREE VNQRQAHLAI
PQLGKPLQSK QLSQVPRPVF TAKDRKDPCI DTHQYREGLS KTTQDQLFQT LIQRAQRQSV
LSFVPPSQFN FAHSGFHLED ISTSQKFMLG FAGRRTSKPA MAGHYLLNIS TYGRGTENIK
RTHSVNPDDR FCLSSPTEAL RMGHADYKNT TGEISSKEDE SDEDRVGDEQ EPISVKEEPW
ASQSSGRHPH HGEASSTNDC LASKNGKTEA PVSEQTTLGQ ENYIFSRGQA SDEKSLPRDF
IPAAHKQMTM AVRKGTVCSS PELFNSTALS LPADSPHQ LLLPPLQTPK LYGSPTQIGP
SYRGMINVST SSDMDHNSAI PGSQVSSNVG DVMSFSVTVT TIPASQAMNP SSHGQTIPVQ
TFPDDNSIED TPSKCYCRK AMIMCKGCGA FCHDDCIGPS KLCVSLVVR

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 Asxl2 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.

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:

Product Details

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

Target: ASXL2

Alternative Name: Asxl2 ([ASXL2 Products](#))

Background: Putative Polycomb group (PcG) protein. PcG proteins act by forming multiprotein complexes, which are required to maintain the transcriptionally repressive state of homeotic genes throughout development. PcG proteins are not required to initiate repression, but to maintain it during later stages of development. They probably act via methylation of histones, rendering chromatin heritably changed in its expressibility. Involved in transcriptional regulation mediated by ligand-bound nuclear hormone receptors, such as peroxisome proliferator-activated receptor gamma (PPARG). Acts as coactivator for PPARG and enhances its adipocyte differentiation-inducing activity, the function seems to involve differential recruitment of acetylated and methylated histone H3 (By similarity). {ECO:0000250}.

Molecular Weight: 148.1 kDa Including tag.

UniProt: [Q8BZ32](#)

Pathways: [Positive Regulation of fat Cell Differentiation](#)

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 guarantee though.

Comment: Protein has not been tested for activity yet. In cases in which it is highly likely that the

Application Details

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

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