

Datasheet for ABIN3134558

ASXL1 Protein (AA 1-1514) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	1 mg
Target:	ASXL1
Protein Characteristics:	AA 1-1514
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASXL1 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS), Crystallization (Crys)

Product Details

Sequence:	<p>MKDKQKRKKE RTWAEARLV LENYSDAPMT PKQILQVIEA EGLKEMRSGT SPLACLNAML</p> <p>HSNSRGGEGL FYKLPGRISL FTLKKDAVQW SRNAATVDGD EPEDSADVES CGSNEASTVS</p> <p>GENDVSLDET SSNASCSTES QSRPLSNPRD SHRASSQANK QKKRTGVMLP RVVLTPLKVN</p> <p>GAHVEPASGF SGRHADGESG SPSSSSSGSL ALGNSAIRGQ AEVTRDPAPL LRGFRKPATG</p> <p>QMKRNRGEEV DFETPGSILV NTNLRALINS RTFHALPLHF QQQLLLLLPE VDRQVGTDGL</p> <p>LRLSGSALNN EFFTHAAQSW RERLADGEFT HEMQVRLRQE MEKEKKVEQW KEKFFEDYYG</p> <p>QKLGLTKEES LQQKEVQEEA KVKSGLCVSG ESVRPQRGPN TRQRDGHFCK RSRPDLRTRS</p> <p>RRNIYKKQEP EQAGVAKDAS AAPDVSLSKD TKTDLAGVNS TPGPDVSSAT SGQEGPKCPS</p> <p>EPVASQIQAE RDNLACASAS PDRIPTLPQD TVDQETKDQK RKSFEQEASA SFPEKKPRLE</p> <p>DRQSFRNTIE SVHTEKPQPT KEEPKVPIR IQLSRIKPPW VAKGRPTYQI CPRIVPITES</p> <p>SCRGWTGART LADIKARALQ ARGARGYHCN RETATTAIGG GGGPGGGGSG AIDEGGGRDS</p> <p>SSGDGSEACG HPEPRGAPST SGESASDLQR TQLLPPCPLN GEHTPAEAAM PRARREDSAS</p>
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LRKEESCLLK RVPGLTSGE EDASQPPIAP TGDQPCQALP PLSSQTPVAE MLTEQPKLLL
DDRTECESSR EDQGPTIPSE SSSGRFPLGD LLGGGSDQAF DNMKEPVSMPTPTFISELSLA
NYLQDRPDDD GLGLGATGLL IRESSRQEAL TEAFASGSPT SWVPILSNYE VIKTSDPESR
ENIPCPEPQD EKEWERAVPL IAATESVPQP ESCISHWTPP PAAVGSTGSD SEQVDLERLE
MNGISEAPSP HSESTDASD SEGHLSSEDSS EVDASEVTVV KGSLGGDEKQ DWDPASLSLK
VNNDLSVLTR TGGVAASQSW VSRVCSVPHK IPDSLILLSST ECQPRSVCPPLPGSSVEVTN
PLVMHLLHGN LPLEKVLPPG HRSSRLESSQ LPLREQSQDR GTLQGTGENN RLAARINPGS
AQTLKESILA QSYGASAGLV RAMASKAPAM SQKIAKMTS LDSQHPETEL TPSSGNLEEI
DSKEHLSSFL CEEQKEGHSL SQGSDPGAAP GQCLGDHTTS KVPCFSSTNV SLSFGSEQTD
GTLSQNNAG GHEKKLFGPG NVTTLQCPR SEEQTPLPAE VPPVFPSRKI EPSKNSVSGG
VQTTRENRMP KPPPVSAESI KTEQTFLRDP IKADAENRKA AGYSSLELVG HLQGMPPFVD
LPFWKLPREP GKGFSQPLEP SSIPSQLNIK QALYGKLSKL QLSPTSFNYS SSSATFPKGL
AGGVVQLSHK ASFGTGHTAS LSLQMFADSS AVESISLQCA CSLKAMIMCQ GCGAFCHDDC
IGPSKLCVLC LVVR

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 Asxl1 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

	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: <ol style="list-style-type: none">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:	ASXL1
Alternative Name:	Asxl1 (ASXL1 Products)
Background:	Probable Polycomb group (PcG) protein involved in transcriptional regulation mediated by ligand-bound retinoic acid receptors (RARs) and peroxisome proliferator-activated receptor gamma (PPARG). Acts as a coactivator of RARA and RXRA through association with NCOA1. Acts as a corepressor through recruitment of KDM1A and CBX5 to target genes in a cell-type specific manner, the function seems to involve differential recruitment of methylated histone H3 to respective promoters. Acts as a corepressor for PPARG and suppresses its adipocyte differentiation-inducing activity. Non-catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1). {ECO:0000269 PubMed:16606617, ECO:0000269 PubMed:19880879, ECO:0000269 PubMed:21047783}.
Molecular Weight:	163.6 kDa Including tag.
UniProt:	P59598
Pathways:	Retinoic Acid Receptor Signaling Pathway

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 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