

Datasheet for ABIN7552419

ASXL1 Protein (AA 1-1541) (His tag)



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Overview

Quantity:	1 mg
Target:	ASXL1
Protein Characteristics:	AA 1-1541
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASXL1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ASXL1 Protein expressed in mammalian cells.
Sequence:	MKDKQKKKKKE RTWAEARLV LENYSDAPMT PKQILQVIEA EGLKEMRSGT SPLACLNAML HSNSRGGEGL FYKLPGRISL FTLKKDALQW SRHPATVEGE EPEDTADVES CGSNEASTVS GENDVSLDET SSNASCSTES QSRPLSNPRD SYRASSQANK QKKKTGVMLP RVVLTPLKVN GAHVESASGF SGCHADGESG SPSSSSSGSL ALGSAAIRGQ AEVTQDPAPL LRGFRKPATG QMKRNRGEEI DFETPGSILV NTNLRALINS RTFHALPSHF QQQLLFLLPE VDRQVGTDGL LRLSSSALNN EFFTHAAQSW RERLADGEFT HEMQVRIRQE MEKEKKVEQW KEKFFEDYYG QKLGLTKEES LQQNVGQEEA EIKSGLCVPG ESVRIQRGPA TRQRDGHFKK RSRPDLRTRA RRNLYKKQES EQAGVAKDAK SVASDVPLYK DGEAKTDPAG LSSPHLPGTS SAAPDLEGPE FPVESVASRI QAEPDNLARA SASPDRIPLS PQETVDQEPK DQKRKSFEQA ASASFPEKKP RLEDQRQFRN TIESVHTEKP QPTKEEPKVP PIRIQLSRIK PPWVVKGQPT YQICPRIIPT TESSCRGWTG ARTLADIKAR ALQVRGARGH HCHREAATTA IGGGGGPGGG GGGATDEGGG RGSSSGDGGE ACGHPEPRGG PSTPGKCTSD LQRTQLLPY PLNGEHTQAG TAMSRARRED

LPSLRKEESC LLQRATVGLT DGLGDASQLP VAPTGDQPCQ ALPLLSSQTS VAERLVEQPQ
LHPDVRTECE SGTTSWESDD EEQGPTVPAD NGPIPSLVGD DTLEKGTGQA LDSHPTMKDP
VNVTPSSTPE SSPTDCLQNR AFDDDELGLGG SCPPMRESDT RQENLKTKAL VSNSSLHWIP
IPSNDEVVKQ PKPESREHIP SVEPQVGEEW EKAAPTTPAL PGDLTAEGL DPLDSLTSW
TVPSRGGSDS NGSYCQVDI EKLKINGDSE ALSPHGSTD TASDFEGHLT EDSSEADTRE
AAVTKGSSVD KDEKPNWNQS APLSKVNGDM RLVTRTDGMV APQSWVSRVC AVRQKIPDSL
LLASTEYQPR AVCLSMPGSS VEATNPLVMQ LLQGSLPLEK VLPPAHDDSM SESPQVPLTK
DQSHGSLRMG SLHGLGKNSG MVDGSSPSSL RALKEPLLPD SCETGTGLAR IEATQAPGAP
QKNCKAVPSF DSLHPVTNPI TSSRKLEEMD SKEQFSSFSC EDQKEVRAMS QDSNSNAAPG
KSPGDLTTSR TPRFSSPNVI SFGPEQTGRA LGDQSNVTGQ GKKLFGSGNV AATLQRPRPA
DPMPLPAEIP PVFPGKLG STNSMSGGVQ TPREDWAPKP HAFVGSVKNE KTFVGGPLKA
NAENRKATGH SPLELVGHLE GMPFVMDLPF WKLPREPGKG LSEPLEPSSL PSQLSIKQAF
YGKLSKLQLS STSFNYSSSS PTFPKGLAGS VVQLSHKANF GASHSASLSL QMFTDSSTVE
SISLQCACSL KAMIMCQCG AFCHDDCIGP SKLCVLCLVV R **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • 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 try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. 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.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Product Details

Grade: custom-made

Target Details

Target: ASXL1

Alternative Name: ASXL1 ([ASXL1 Products](#))

Background: Polycomb group protein ASXL1 (Additional sex combs-like protein 1),FUNCTION: Probable Polycomb group (PcG) protein involved in transcriptional regulation mediated by ligand-bound nuclear hormone receptors, such as retinoic acid receptors (RARs) and peroxisome proliferator-activated receptor gamma (PPARG) (PubMed:16606617). Acts as a coactivator of RARA and RXRA through association with NCOA1 (PubMed:16606617). Acts as a corepressor for PPARG and suppresses its adipocyte differentiation-inducing activity (By similarity). Non-catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1) (PubMed:20436459). Acts as a sensor of N(6)-methyladenosine methylation on DNA (m6A): recognizes and binds m6A DNA, leading to its ubiquitination and degradation by TRIP12, thereby inactivating the PR-DUB complex and regulating Polycomb silencing (PubMed:30982744).
{ECO:0000250|UniProtKB:P59598, ECO:0000269|PubMed:16606617, ECO:0000269|PubMed:20436459, ECO:0000269|PubMed:30982744}.

Molecular Weight: 165.4 kDa

UniProt: [Q8IXJ9](#)

Pathways: [Retinoic Acid Receptor Signaling Pathway](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months