



Datasheet for ABIN3135743

WHSC1L1 Protein (AA 1-1439) (His tag)



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1 Image

Overview

Quantity:	1 mg
Target:	WHSC1L1
Protein Characteristics:	AA 1-1439
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WHSC1L1 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence: MDFSFSFMQG IMGNTIQQP QLIDSANIRQ EDAFDNHSDI VEDGGTPFE ATLQQGFQYP
 PTTEDLPPLT NGYPPSISLY ETQTKYPPYN QYPNGSANGF GAVRNFSPD YYHSEIPNTR
 PHEILEKPSV PQPPPPSVP QTVIPKKTGS PEIKLKITKT IQNGRELFES SLCGDLLENEV
 QASEHTSKKH ESRKEKRKKS NRHESSRSEE RRSHKIPKLE PEGQNRPNR VDTAPEKPRE
 EPVLKEAIPV QPILSSVPTT ETSTGVKFQV GDLVWSKVGT YPWWPCMVS DPQLEVHSKI
 NTRGAREYHV QFFSNQPERA WVHEKRVREY KGHEQYEELL AEAQASNH SEKQKIRKPR
 PQRERAQWDI GIAHAEKALK MTREERVEYQ TFIYIDKQPE EASSQAKKNV TSKTEVKKPR
 RPRSVLNSQP EQTNAGEVAS SQSSTDLRRQ SQRRHTSLEE EEPVVKIAW KTAARKSLP
 ASITMHKGS DLQKCNMSPV VKIEQVFALQ NATGDGKFD QFVYSTKGIG NKTEISVRGQ
 DRLIISPSQ RSEKPAQSAS SPEATSGSAG PVEKKQRRS IRTSESEKS AEVVKKKIK
 KEQVETAPQA SLKTGLQKGA SEISDCKPL KKRSTASTDV ETASCTYRDT SDSRSRGLSD
 GQVGFQKQVD SPSATADADA SDAQSVDSLL SRRGVGTSKK DTVCQVCEKA GDCLVACEGE

CCRHFHVECL GLTAVPEGHF TCEECETGQH PCFSCKVSQK DVKRCSSVSV GKFYHEACVR
KFPTAIFESK GFRCPQHCCS SCSMEKDIHK ASKGRMMRCL RCPVAYHVGD ACVAAGSVSV
SSHILICSNH SKRSSQSAI NVGFCFVCAR GLIVQDHSDP MFSSYAYKSH YLLSESNRAE
LMKLPMPSS SASKKRCEKG GRLLCCESCP ASFHPECLSI DMPEGCWNCN DCKAGKKLHY
KQIVVVKLGN YRQVLWWPAE ICSPRSVPLN IQGLKHDLGD FPVFFFGSHD YYVWHQGRVF
PYVEGDKHFA EGQTSINKTF KKALEEAAKR FQELKAQRES KEALEMERTS RKPPPYKHIK
ANKVIGKVQV QVADLSEIPR CNCKPGDENP CGLESQCLNR MSQYECHPQV CPAGDRCQNO
CFTKRLYPDA EVIKTERRGW GLRTKRSIKK GEFVNEYVGE LIDEEECRLR IKRAHENSVT
NFYMLTVTKD RIIDAGPKGN YSRFMNHSCN PNCETQKWTV NGDVRVGLFA LCDIPAGMEL
TFNYNLDCLG NGRTVCHCGA DNCSGFLGVR PKSACTSAVD EKTKNAKLLK RRVKVAEAKP
IHEDYCFQCG DGGELVMCDK KDCPKAYHLL CLNLTQPPHG KWCEPWHRCD ECGSVAVSFC
EFCPHSFCKA HGK GALVPSA LEGRLCCSSH DPASPV SPEY WSKIRCKWES QDSGEEVKE

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 Whsc111 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.

Product Details

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:	WHSC1L1
Alternative Name:	Whsc1l1 (WHSC1L1 Products)
Background:	Histone methyltransferase. Preferentially methylates 'Lys-4' and 'Lys-27' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation, while 'Lys-27' is a mark for transcriptional repression (By similarity). {ECO:0000250}.
Molecular Weight:	162.0 kDa Including tag.
UniProt:	Q6P2L6

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