

Datasheet for ABIN7564083

WHSC1L1 Protein (AA 1-1439) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	WHSC1L1
Protein Characteristics:	AA 1-1439
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WHSC1L1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nsd3 Protein expressed in mammalian cells.
Sequence:	MDFSFSFMQG IMGNTIQPP QLIDSANIRQ EDAFDNHSDI VEDGGPTPFE ATLQQGFQYP PTTEDLPPLT NGYPPSISLY ETQTKYPPYN QYPNGSANGF GAVRNFSPD YYHSEIPNTR PHEILEKPSQ PQPPPPSVP QTVIPKKTGS PEIKLKITKT IQNGRELFES SLCGDLLENEV QASEHTKSKH ESRKEKRKKS NRHESSRSEE RRSHKIPKLE PEGQNRPNR VDTAPEKPRE EPVLKEAIPV QPILSSVPTT ETSTGVKFQV GDLVWSKVG TYPWWPCMVSS DPQLEVHSKI NTRGAREYHV QFFSNQPERA WWHEKRVREY KGHEQYEELL AEAQASNH SEKQKIRKPR PQRERAQWDI GIAHAEKALK MTREERVEQY TFIYIDKQPE EASSQAKKNV TSKTEVKKPR RPRSVLNSQP EQTNAGEVAS SQSSTDLRRQ SQRRTSLEE EEPVVKIAW KTAARKSLP ASITMHKGS DLQKCNMSPV VKIEQVFALQ NATGDGKFID QFVYSTKGIG NKTEISVRGQ DRLIISPSQ RSEKPAQSAS SPEATSGSAG PVEKKQRRS IRTSESEKS AEVVPKKKIK KEQVETAPQA SLKTGLQKGA SEISDCKPL KKRSTASTDV ETASCTYRDT SDSRSRGLSD GQVGFQKQVD SPSATADADA SDAQSVDSLL SRRGVGTSKK DTVCQVCEKA GDCLVACEGE

CCRHFHVECL GLTAVPEGHF TCEECETGQH PCFSCKVSQK DVKRCVSVVC GKFYHEACVR
KFPTAIFESK GFRCPQHCCS SCSMEKDIHK ASKGRMMRCL RCPVAYHVGD ACVAAGSVSV
SSHILICSNH SKRSSQSAI NVGFQFVCAR 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 RRKVKAIAKP
IHEDYCFQCG DGGELVMCDK KDCPKAYHLL CLNLTQPPHG KWCEPWHRCD ECGSVAVSFC
EFCPHSFCKA HGK GALVPSA LEGRLCCSSH DPASPV SPEY WSKIRCKWES QDSGEEVKE

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)

Grade: custom-made

Target Details

Target:	WHSC1L1
Alternative Name:	Nsd3 (WHSC1L1 Products)
Background:	Histone-lysine N-methyltransferase NSD3 (EC 2.1.1.370) (EC 2.1.1.371) (Nuclear SET domain-containing protein 3) (Wolf-Hirschhorn syndrome candidate 1-like protein 1 homolog) (WHSC1-like protein 1),FUNCTION: Histone methyltransferase. Preferentially dimethylates 'Lys-4' and 'Lys-27' of histone H3 forming H3K2me2 and H3K27me2. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation, while 'Lys-27' is a mark for transcriptional repression. {ECO:0000250 UniProtKB:Q9BZ95}.
Molecular Weight:	161.0 kDa
UniProt:	Q6P2L6

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