

Datasheet for ABIN7554796

**WHSC1L1 Protein (AA 1-1437) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	WHSC1L1
Protein Characteristics:	AA 1-1437
Origin:	Human
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 EDAFDNNSDI AEDGGQTPYE ATLQQGFQYP ATTEDLPPLT NGYPSSISVY ETQTKYQSYN QYPNGSANGF GAVRNFSPD YYHSEIPNTR PHEILEKPSP QPPPPPSVP QTVIPKKTGS PEIKLKITKT IQNGRELFES SLCGDLLENEV QASEHTKSKH ESRKEKRKKS NKHDSSRSEE RKSHKIPKLE PEEQNRPNR VDTVSEKPRE EPVLKEEAPV QPILSSVPTT EVSTGVKFQV GDLVWSKVG TYPWWPCMVSS DPQLEVHTKI NTRGAREYHV QFFSNQPERA WWHEKRVREY KGHKQYEELL AEATKQASNH SEKQKIRKPR PQRERAQWDI GIAHAEKALK MTREERIEQY TFIYIDKQPE EALSQAKKSV ASKTEVKKTR RPRSVLNTQP EQTNAGEVAS SLSSTEIRRH SQRRHTSAEE EEPVVKIAW KTAAARKSLP ASITMHKGS L DLQKCNMSPV VKIEQVFALQ NATGDGKFID QFVYSTKGIG NKTEISVRGQ DRLIISTPNQ RNEKPTQSVS SPEATSGSTG SVEKKQRRS IRTRESEKS TEVVPKKKIK KEQVETVPQA TVKTGLQKGA SEISDCKPL KKRSTASTDV EMTSSAYRDT SDSRSRGLSD LQVGFQKQVD SPSATADADV SDVQSMDSLL SRRGTGMSKK DTVCQICESS GDSLIPCEGE

CCKHFHLECL GLASLPDSKF ICMECKTGQH PCFSCKVS GK DVKRCVSGAC GK FYHEACVR  
KFPTAIFESK GFRCPQHCCS ACSMEKDIHK ASKGRMMRCL RCPVAYHSGD ACIAAGSMLV  
SSYLICSNH SKRSSNSSAV NVGFVFCV CAR GLIVQDHSDP MFSSYAYKSH YLLNESNRAE  
LMKLP MIPSS SASKKKCEKG GRLLCCESCP ASFHPECLSI EMPEGCWNCN DCKAGKKLHY  
KQIVVVKLGN YRWWPAEICN PRSVPLNIQG LKHDLGDFPV FFFGSHDYYW VHQGRVFPYV  
EGDKSFAEQG TSINKTFKKA LEEAAKRFQE LKAQRESKEA LEIEKNSRKP PPKYKHIKANK  
VIGKVQIQVA DLSEIPRCNC KPADENPCGL ESECLNRMLQ YECHPQVCPA GDRCQNQCFT  
KRLYPDAEII KTERRGWGLR TKRSIKKGEF VNEYVGELID EEECLRIKR AHENSVTNFY  
MLTVTKDR II DAGPKGNYSR FMNHSCNPNC ETQKWTVNGD VRVGLFALCD IPAGMELTFN  
YNLDCLGN GR TECHCGADNC SGFLGVRPKS ACASTNEEKA KNAK LKQKRR KIKTEPKQMH  
EDYCFQCGDG GELVMCDK KD CPKAYHLLCL NLTQPPYGKW ECPWHQCDEC SSAAVSFCEF  
CPHSFCKDHE KGALVPSALE GRLCCSEHDP MAPVSPEYWS KIKCKWESQD HGEEVKE

**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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target:	WHSC1L1
Alternative Name:	NSD3 ( <a href="#">WHSC1L1 Products</a> )
Background:	Histone-lysine N-methyltransferase NSD3 (EC 2.1.1.370) (EC 2.1.1.371) (Nuclear SET domain-containing protein 3) (Protein whistle) (WHSC1-like 1 isoform 9 with methyltransferase activity to lysine) (Wolf-Hirschhorn syndrome candidate 1-like protein 1) (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:0000269 PubMed:16682010}.
Molecular Weight:	161.6 kDa
UniProt:	<a href="#">Q9BZ95</a>

## Application Details

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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

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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