

Product datasheet

Recombinant Human WHSC1/NSD2 protein ab159810

1 Image

Description

<b>Product name</b>	Recombinant Human WHSC1/NSD2 protein
<b>Expression system</b>	Wheat germ
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<pre> MEFSIKQSPLSVQSVVKCIKMKQAPEILGSANGKTPSCEV NRECSVFLSK AQLSSSLQEGVMQKFNGHDALPFIPADKLDLTSRVFNG EPGAHDAKLRF ESQEMKGIGTPPNTTPIKNGSPEIKLKITKTYMNGKPLFESSI CGDSAAD VSQSEENGQKPENKARRNRKRSIKYDSLLEQGLVEAALV SKISSPSDKKI PAKKESCPNTGRDKDHLKYNVGDVWSKVSGYPWWP CMVSADPLLHSYT KLLKGQKKSARQYHVQFFGDAPERAWIFEKSLVAFEGEGQ FEKLCQESAKQ APTKAEKIKLLKPISGKLRAQWEMGVQAEAAASMSVEER KAKFTFLYVG DQLHLNPQVAKEAGIAAESLGEMAESSGVSEEAENPKS VREECIPMKRR RRAKLCSSAETLESHDPDGKSTPQKTAEADPRRGVGSPP GRKKTTSMPR SRKGDAASQFLVFCQKHRDEVVAEHPDASGEEIEELLRS QWSLLSEKQRA RYNTKFALVAPVQAEEDSGNVNGKRNHTKRIQDPTEDA EAEDTPRKRLR TDKHSLRKRDTITDKTARTSSYKAMEAASSLKSQAATKNL SDACKPLKKR NRASTAASSALGFSKSSSPSASLTENELLWEPTPVKLDL NPAALYCT </pre>
<b>Amino acids</b>	1 to 647
<b>Tags</b>	GST tag N-Terminus

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab159810** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** ELISA  
Western blot

**Form** Liquid

**Additional notes**

## Preparation and Storage

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**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

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**Function** Probable histone methyltransferase (By similarity). May act as a transcription regulator that binds DNA and suppresses IL5 transcription.

**Tissue specificity** Widely expressed.

**Involvement in disease** Note=A chromosomal aberration involving WHSC1 is a cause of multiple myeloma tumors. Translocation t(4;14)(p16.3;q32.3) with IgH.  
Note=WHSC1 is located in the Wolf-Hirschhorn syndrome (WHS) critical region. WHS results from by sub-telomeric deletions in the short arm of chromosome 4. WHSC1 is deleted in every case, however deletion of linked genes contributes to both the severity of the core characteristics and the presence of the additional syndromic problems.

**Sequence similarities** Belongs to the histone-lysine methyltransferase family. SET2 subfamily.  
Contains 1 AWS domain.  
Contains 1 HMG box DNA-binding domain.  
Contains 4 PHD-type zinc fingers.  
Contains 1 post-SET domain.  
Contains 2 PWWP domains.  
Contains 1 SET domain.

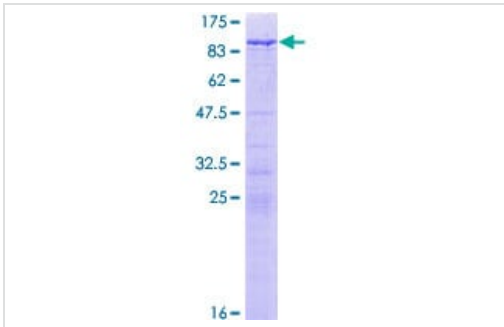
**Post-translational modifications** Phosphorylated upon DNA damage, probably by ATM or ATR.

**Cellular localization** Cytoplasm and Nucleus. Chromosome.

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## Images

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ab159810 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human WHSC1/NSD2 protein (ab159810)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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