

Datasheet for ABIN7563860  
**SETD5 Protein (AA 1-1441) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SETD5
Protein Characteristics:	AA 1-1441
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SETD5 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Setd5 Protein expressed in mammalian cells.
Sequence:	MSIAIPLGVT TPDTSYS DMA AGSDPESVEA SPAVNEKSVY STHNYGTTQR HGCRGLPYAT IIPRSDLNGL PSPVEERCGD SPNSEGETVP TWPCGLSQD GLLNCDKCR GMSRGKVIRL HRRKQDNISG GDSSATESWD EELSPSTVLY TATQHTPTSI TLTVRRTKPK KRKKSPEKGR AAPKTKKIKN SPSEANLDE NTTEGWENRI RLWTDQYEEA FTNQYSADVQ NALQHLHSN KEFVGKPAIL DTINKTELAC NNTVIGSQMQ LQLGRVTRVQ KHRKILRAAR DLALDTLIE YRGKVMLRQQ FEVNGHFFKK PYPFVLFYSK FNGVEMCVDA RTFGNDARFI RRSCTPNAEV RHMIADGMIH LCIYAVSAIT KDAEVTIAFD YEYSNCNYKV DCACHKGNRN CPIQKRNPN AELPLPPPPS FPTIGAETRR RKARRKELEL EQQNEVPEEN PDPQPQEVPE KVTVSNEHEE VDNPEEKPEE EEKKEATDDQ ENSAHSRRTR EDRKVEAIMH AFESLEKRKK RRDQPVEQSS SDIEITSSS EIVVGEETKT AAPSEVSSP VSNVAIPSTP QSTGVNTRRS SHAGDVAAEK PIPKPPPAKP SRPRPKSRIS RYRTSSAQRL KRQKQIAQQ AELSQAAL EE GGSNNSVTTP EAGNTDSSGE NRQLTGSDPT VISVTGSHVN RAASKYPKTK KYLVTEWLND KAEKQECPVE

CPLRITTDPT VLATTLNMLP GLIHSPLECT TPKHYIRFGS PFMPERRRRP LLPDGTFFSSC  
KKRWIKQALE EGMTQTSSVP QETRTRQHLYQ SNETSNSSSI CKDNADLLSP LKKWKSRYLM  
EQNITKLLQP LSPVTPPPPS SGSKSPQLTT PGQTHPGEEE CRNGYSLMFS PITSLTTASR  
SNTPLQFELC HRKDLDLTKV GFPDSSSTHSC ADRPSLLNCN HPDLASHPSV VPTSEAGFPS  
RSGDGPQTLT RNSDQAFRTE FNLMYAYSPL NAMPRADGLY RGSPLVGDRK PLHLDGGYCS  
PAEGFSSRYE HGFMKDLSRG SMSPGGERTC EGVPSAPQNP PQRKKVSLLE YRKRKQEAKE  
NSGGGNDSSQ SKSKSSGAGQ GSSNSVSDTG AHGVQGSSAG TPSSPHKKFS PSHSSASHLE  
AVSPDSRGT SSSHCRPQEN ISSRWMVPTS VERLREGGSI PKVLRSSVRV AQKGEPSTW  
ESNITEKESD PADGEGPEPL SSALSKGATV YSPSRYSYQL LQCDSRPTES QSLQSSSSP  
FRGHPTQSPG YSYRTTALRP GNPPSHGSSE SLSSTSYPS PAHPVSTDLS APFTGTPGY  
SSQPHSGNST GSNLPRRSCS SSAASPTPQG PSDSPTSDSV QSSTGTLSS TSFPQNSRSS  
LPSDLRTISL PNAGQSAAYQ ASRVSAVSNS QHYPHRGGSG VHQYRLQPLQ GSGVKTQTGL S

**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:	SETD5
Alternative Name:	Setd5 ( <a href="#">SETD5 Products</a> )
Background:	<p>Histone-lysine N-methyltransferase SETD5 (EC 2.1.1.359) (EC 2.1.1.367) (SET domain-containing protein 5),FUNCTION: Chromatin regulator required for brain development: acts as a regulator of RNA elongation rate, thereby regulating neural stem cell (NSC) proliferation and synaptic transmission (PubMed:30455454, PubMed:31515109). May act by mediating trimethylation of 'Lys-36' of histone H3 (H3K36me3), which is essential to allow on-time RNA elongation dynamics (PubMed:31515109). Also monomethylates 'Lys-9' of histone H3 (H3K9me1) in vitro (PubMed:22939622). The relevance of histone methyltransferase activity is however subject to discussion (PubMed:27864380, PubMed:30455454).</p> <p>{ECO:0000269 PubMed:22939622, ECO:0000269 PubMed:27864380, ECO:0000269 PubMed:30455454, ECO:0000269 PubMed:31515109}.</p>
Molecular Weight:	157.4 kDa
UniProt:	<a href="#">Q5XJV7</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