

Datasheet for ABIN7558875

SMYD4 Protein (AA 1-799) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SMYD4
Protein Characteristics:	AA 1-799
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMYD4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Smyd4 Protein expressed in mammalian cells.
Sequence:	MDLPVDEWKS YLLKKWASLP KSVQDTISTA ETLSDIFLPS SLLQPEDEM FLKELSSSYS VEKDNDAPLF YREEGNRKFK EKEYTDAAVL YSKGVSHSRP NTEDISLCYA NRSAALFHLG QYEACLKDIV EAGMHGYPER LQPKMMVRKT ECLVNLGRLQ EARQTISDLE SSLTAKPTLV LSSYQILQRN VQHLKIKIQE KETLPEPIPA ALTNAFEDIA LGEENTQISG ASLSVSLCTH PLKGRHLVAT KDILPGELLV KEDAFVSVLI PGEMPRPHHC LENKWDTRVT SGDLYCHRCL KHTLATVPCG SCSYAKYCSQ ECMQQAWDLY HSTECSLGGL LLTLGVFCHV ALRMTLLARF EDVDRVVRML CDEVGSTDTC LPESKNLVKA FDYTSQGESE ESKKIGEPPi PGCNVNGKYG SNYNAIFSLL PHTEKHSPEH RFICAISVSA LCRQLKADSV QAQTLKSPKL KAVTPGLCAD LTWGAAMLR HMLQLQCNAQ AITSICHTGS NESIITNSRQ IRLATGIFPV VSLLNHSCR NTSVSFTGTV ATVRAAQRIA KGQEILHCY GPHESRMGVAE RQQLSSQYF FDCRCGACHA ETLRAAAAPR WEAFCCKTCR ALMQGNDVLS CSNESCTNSV SRDQLVSRLQ DLQQQVCMAQ

KLLRTGKPEQ AIQQLLRCRE AAESFLSAEH TVLGEIEDGL AQAHATLGNW LKSAAHVQKS
LQVVETRHGP SSVEIGHSELF KLAQVLFNGL AVPEALSAIW KAERILLVHC GPESEEVREL
REMRSCLLDS SFVPVGPLV **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.**

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, Western Blot
---------	---

Grade:	custom-made
--------	-------------

Target Details

Target:	SMYD4
Alternative Name:	Smyd4 (SMYD4 Products)
Background:	SET and MYND domain-containing protein 4 (EC 2.1.1.-),FUNCTION: Plays a critical role in cardiac development (By similarity). Acts as a key epigenetic regulator of gene expression during cardiac development via its dual activities as a methyltransferase and negative regulator of HDAC1 (By similarity). {ECO:0000250 UniProtKB:Q08C84, ECO:0000250 UniProtKB:Q8IYR2}.
Molecular Weight:	88.5 kDa
UniProt:	Q8BTK5

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.
--------------------	--

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