

Datasheet for ABIN7546181

SMYD4 Protein (AA 1-804) (His tag)



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Overview

Quantity:	1 mg
Target:	SMYD4
Protein Characteristics:	AA 1-804
Origin:	Human
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:	<p>MDLPVDEWKS YLLQKWASLP TSVQVTISTA ETLRDIFLHS SSLLQPEDEL FLKRLSKGYL</p> <p>VGKDSDAPLF YREEGNKKFQ EKDYTGAAVL YSKGVSHSRP NTEDMSLCHA NRSAALFHLG</p> <p>QYETCLKDIN RAQTHGYPER LQPKIMLRKA ECLVALGRLQ EASQTISDLE RNFTATPALA</p> <p>DVLPQTLQRN LHRLKMKMQE KDSLTESFPA ALAKTLEDAA LRENEQLSN ASSSIGLCVD</p> <p>PLKGRCLVAT KDILPGELLV QEDAFVSVLN PGELPPPHHG LDSKWDTRVT NGDLYCHRCL</p> <p>KHTLATVPCD GCSYAKYCSQ ECLQQAWELY HRTECPLGGL LLTLGVFCHI ALRLTLLVGF</p> <p>EDVRKIITKL CDKISNKDIC LPESNNQVKT LNYGLGESEK NGNIVETPIP GCDINGKYEN</p> <p>NYNAVFNLLP HTENHSPEHK FLCALCVSAL CRQLEAASLQ AIPTERIVNS SQLKAAVTPE</p> <p>LCPDVTIWGV AMLRHMLQLQ CNAQAMTTIQ HTGPKGSIVT DSRQVRLATG IFPVISLLNH</p> <p>SCSPNTSVSF ISTVATIRAS QRIRKGQEIL HCYGPHKSRM GVAERQQKLR SQYFFDCACP</p> <p>ACQTEAHRMA AGPRWEAFCC NSCGAPMQGD DVLRCGSRSC AESAVSRDHL VSRLQDLQQQ</p>

Product Details

VRVAQKLLRD GELERAVQRL SGCQRDAESF LWAEHAVVGE IADGLARACA ALGDWQKSAT
HLQRSLYVVE VRHGPSSVEM GHELFLAKAQI FFNGFAVPEA LSTIQKAEV LSLHCGPWDD
EIQELQKMKS CLLDLPPTPV GPAL **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 (PubMed:30110327). 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:0000269|PubMed:30110327}.

Molecular Weight:

89.2 kDa

UniProt:

[Q8IYR2](#)

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.
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Restrictions:	For Research Use only
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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