

Datasheet for ABIN7563594

SMARCAD1 Protein (AA 1-1021) (His tag)



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Overview

Quantity:	1 mg
Target:	SMARCAD1
Protein Characteristics:	AA 1-1021
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMARCAD1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Smarcad1 Protein expressed in mammalian cells.
Sequence:	<p>MNLFNLDRFR FEKRSKIEEA PEAAPQPSQA RPSSPISLSA EEENAEGEGS RANTPDSDVT</p> <p>EKTEDSSVPE PPDNERKASL SCFQNQRAIQ EYIDLSSDTE DVSPNCSSTV QEKKFSKDTV</p> <p>IIVSEPSIDE ESHDLPSVTR RNDSSLEEDL SELEDLKDAK LQTLKELFPQ RSDSDLLKLI</p> <p>ESTSTMDGAI AAALLMFGDA GGGPRKRKLS SSSEEDDVND DQSVKQPRGD RGEESNESAE</p> <p>ASSNWEKQES IVLKLQKEFP NFDKQELREV LKEHEWMYTE ALESLKVFAE DQDVQCASQS</p> <p>EVTNGKEVAR NQNYSKNATK IKMKQKISVK PQNGFNKKRK KNVFNPKKAV EDSEYDSGSD</p> <p>AGSSLDEDYS SCEEVMEDGY KGKILHFLQV SSIAELTLIP KCSQKKAQKI TELRPFNNWE</p> <p>ALFTKMSKIN GLSEDLIWNC KTVIQRDVV IRLMNKCEDI SNKLTQVMTM LTGNNGGWNR</p> <p>EQPSLLNQLS SLKPYQKVGL NWLALVHKHG LNGILADEMG LGKTIQIAF LAYLFQEGNK</p> <p>GPHLIVVPAS TIDNWLREVN LWCPSLNVLC YYGSQEERKQ IRFNIHNKYE DYNVIVTTYN</p> <p>CAISSSDDRS LFRRLKLNIA IFDEGHMLKN MGSIRYQHLM TINARNRLLL TGTPVQNNLL</p>

ELMSLLNFVM PHMFSSSTSE IRRMFSSKTK PADEQSIYEK ERIAHAKQII KPFI LRRVKE
EVLKLLPPKK DRIELCAMSE KQEQLYSGLF NRLKKSINNL EKNTMCNVM MQLRKMANHP
LLHRQYYTPE KLKEMSQLML KEPTHCEANP DLIFEDMEVM TDFELHVLCK QYQHINSYQL
DMDLILDSGK FRALGCILSE LKQKGDRVVL FSQFTMMLDI LEVLLKHHQH RYLRLDGKTQ
ISERIHIDE FNTDMDIFVF LLSTKAGGLG INLTSANVVI LHDIDCNPYN DKQAEDRCHR
VGQTKEVLVI KLISQGTIEE SMLKINQQKL KLEQDMTTVD EADEGSM PAD IATLLKTSMG L

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:

SMARCAD1

Alternative Name:

Smarcad1 ([SMARCAD1 Products](#))

Background:

SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A containing DEAD/H box 1 (EC 3.6.4.12) (ATP-dependent helicase SMARCAD1) (Enhancer trap locus homolog 1) (Etl-1),FUNCTION: DNA helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity and is both required for DNA repair and heterochromatin

Target Details

organization. Promotes DNA end resection of double-strand breaks (DSBs) following DNA damage: probably acts by weakening histone DNA interactions in nucleosomes flanking DSBs. Required for the restoration of heterochromatin organization after replication. Acts at replication sites to facilitate the maintenance of heterochromatin by directing H3 and H4 histones deacetylation, H3 'Lys-9' trimethylation (H3K9me3) and restoration of silencing (By similarity). {ECO:0000250}.

Molecular Weight: 116.5 kDa

UniProt: [Q04692](#)

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