

Datasheet for ABIN7555585  
**SMARCAD1 Protein (AA 1-1026) (His tag)**



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SMARCAD1
Protein Characteristics:	AA 1-1026
Origin:	Human
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:	MNLFNLDLDRFR FEKRNKIEEA PEATPQPSQP GPSSPISLSA EEENAEGEVS RANTPDSDIT EKTEDSSVPE TPDNERKASI SYFKNQRGIQ YIDLSSDSED VVSPNCSNTV QEKTFNKDTV IIVSEPSIDE ESQGLPTMAR RNDDISELED LSELEDLKDA KLQTLKELFP QRSDNDLLKL IESTSTMDGA IAAALLMFGD AGGGPRKRKL SSSSEPYEED EFNDQSIKK TRLDHGEESN ESAESSNWE KQESIVLKLQ KEFPNFDKQE LREVLKEHEW MYTEALESK VFAEDQDMQY VSQSEVPNGK EVSSRSQNPY KNATKTKLKQ KFSMKAQNGF NKKRKKNVFN PKRVVEDSEY DSGSDVGSSL DEDYSSGEEV MEDGYKGKIL HFLQDASIGE LTLIPQCSQK KAQKITELRP FNSWEALFTK MSKTNGLSED LIWHCKTLIQ ERDVVIRLMN KCEDISNKLT KQVTMLTGNG GGWNIEQPSI LNQSLSLKPY QKVGLNWLAL VHKHGLNGIL ADEMGLGKTI QAIAFLAYLY QEGNNGPHLI VVPASTIDNW LREVNLCWPT LKVLCCYYGSQ EERKQIRFNI HSRYEDYNVI VTTYNCAISS SDDRSLEFRRL KLNIAIFDEG HMLKNMGSIR YQHLMTINAN NRLLLTGTPV

QNNLLELSL LNFVMPHMF SSTSSEIRRMF SSKTKSADEQ SIYEKERIAH AKQIIKPFIL  
RRVKEEVLKQ LPPKKDRIEL CAMSEKQEQ LGLFNRLKK SINNLEKNT MCNVMMQLRK  
MANHPLLHRQ YYTAEKLKEM SQLMLKEPTH CEANPD LIFE DMEVMTDFEL HVLCKQYRHI  
NNFQLDMDLI LDSGKFRVLG CILSELKQKG DRVVLFSQFT MMLDILEVLL KHHQHRYRL  
DGKTQISERI HLIDEFNTDM DIFVLLSTK AGGLGINLTS ANVVILHDID CNPYNDKQAE  
DRCHRVGQTK EVLVIKLISQ GTIEESMLKI NQQLKLEQD MTTVDEGDEG SMPADIATLL KTSMGL

**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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
------------------	---

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	SMARCAD1
Alternative Name:	SMARCAD1 ( <a href="#">SMARCAD1 Products</a> )
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 1) (hHEL1),FUNCTION: DNA helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity and is both required for DNA repair and heterochromatin organization. Promotes DNA end resection of

## Target Details

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. {ECO:0000269|PubMed:21549307, ECO:0000269|PubMed:22960744}.

Molecular Weight: 117.4 kDa

UniProt: [Q9H4L7](#)

## 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