

Datasheet for ABIN7562651
BLM Protein (AA 1-1416) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	BLM
Protein Characteristics:	AA 1-1416
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BLM protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Blm Protein expressed in mammalian cells.
Sequence:	MAAVPLNNLQ EQLQRHSARK LNNQPSLSKP KSLGFTFKKK TSEGDVSVTS VSVVKTPALS DKDENVSEAF SFTESPLHKP KQQAIEGFF KHFPGRQQSK GTCSEPSLPA TVQTAQDTLC TTPKTPTAKK LPVAVFKKLE FSSSADSLSD WADMDDFDMS ASDAFASLAK NPATRVSTAQ KMKKTKRNFF KPPPRKANAV KDTLTPPSPE CLQVDLTKE EEEEEEEEA EGADCLSRDV ICIDNDSASE ELTEKDTQES QSLKAHLGAE RGDSEKKSHE DEAVFHSVQN TEYFEHNDND YDIDFVPPSP EEIISTASSS LKCSSMLKDL DSDSKEKGIL STSEELLSKP EEMTTHKSDA GTSKDCDAQQ IRIQQQLIHV MEHICKLVDT VPTDELEALN CGTELLQQRN IRRKLLAEAG FNGNDVRLLG SLWRHRPDSL DNTVQGDSCP VGHPNKLNS PYLLSHSPST EECLPTTTPG KTGFSATPKN LFERPLLNSH LQKSFVSSNW AETPRMENRN ESTDFPGSVL TSTTVKAQSK QAASGWNVER HGQASYDIDN FNIDDFDDDD DDDDWENIMH NFPASKSSTA TYPPIKEGGP VKSLSERISS AKAKFLPVVS TAQNTNLSES IQNCSDKLAQ NLSSKNPKHE HFQSLNFPHT

KEMMKIFHKK FGLHNFRTNQ LEAINAALLG EDCFILMPTG GGKSLCYQLP ACVSPGVTIV
ISPLRSLIVD QVQKLTSFDI PATYLTGDKT DSEAANIYLO LSKKDPIIKL LYVTPEKVCA SNRLISTLEN
LYERKLLARF VIDEAHCVSQ WGHDFRQDYK RMNMLRQKFP SVPVMALTAT ANPRVQKDIL
TQLKILRPQV FSMSFNHNL KYYVLPKKPK KVAFDCLEWI RKHHPYDSGI IYCLSRRECD
TMADTLQREG LAALAYHAGL SDSARDEVQH KWINQDNCQV ICATIAFGMG IDKPDVRFVI
HASLPKSMEG YYQESGRAGR DGEISHCVLF YTYHDVTRLK RLIMMEKDG N YHTKETHVNN
LYSMVHYCEN ITECRRIQLL AYFGEKGFNP DFCKKYPDVS CDNCCKTKDY KTKDVTDDVK
NIIRFVQEHSSSPGTRNIGP AGRFTLNMLV DIFLGSKSAK VKSGIFGKGT TYSRHNAERL
FKKLILDKIL DEDLYINAND QPIAYVMLGT KAHSVLSGHL KVDFMETENS SSIKKQKALV
AKVSQREEVV KKCLGELTEV CKLLGKVFGV HYFNIFNTAT LKKLAESLSS DPEVLLQIDG
VTEDKLEKYG AEVIPVLQKY SEWTVPAEDG SPGARGAPED TEEEEEEAPV SSHYFANQTR
NERKRKKMSA THKPKRRRTS YGGFRAKGGSTTCRKTTSKS KFYGVTGSRS ASCASQATSS
ASRKLGI MAPPKPVNRTFLR PSYAFS

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:

BLM

Target Details

Alternative Name:	Blm (BLM Products)
Background:	RecQ-like DNA helicase BLM (EC 5.6.2.4) (Bloom syndrome protein homolog) (mBLM) (DNA 3'-5' helicase BLM) (RecQ helicase homolog),FUNCTION: ATP-dependent DNA helicase that unwinds single- and double-stranded DNA in a 3'-5' direction (PubMed:9840919). Participates in DNA replication and repair (By similarity). Involved in 5'-end resection of DNA during double-strand break (DSB) repair: unwinds DNA and recruits DNA2 which mediates the cleavage of 5'-ssDNA (PubMed:9840919). Negatively regulates sister chromatid exchange (SCE) (PubMed:9840919, PubMed:27010503). Stimulates DNA 4-way junction branch migration and DNA Holliday junction dissolution. Binds single-stranded DNA (ssDNA), forked duplex DNA and DNA Holliday junction (By similarity). Recruited by the KHDC3-OOEP scaffold to DNA replication forks where it is retained by TRIM25 ubiquitination, it thereby promotes the restart of stalled replication forks. {ECO:0000250 UniProtKB:P54132, ECO:0000269 PubMed:27010503, ECO:0000269 PubMed:29125140, ECO:0000269 PubMed:9840919}.
Molecular Weight:	158.4 kDa
UniProt:	O88700
Pathways:	DNA Damage Repair

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