

Datasheet for ABIN7565291
BAZ1B Protein (AA 1-1479) (His tag)



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Overview

Quantity:	1 mg
Target:	BAZ1B
Protein Characteristics:	AA 1-1479
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAZ1B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Baz1b Protein expressed in mammalien cells.
Sequence:	MAPLLGRKPF PLVKPLPGEE PLFTIPHTQE AFRTREEYEA RLERYSERIW TCKSTGSSQL THKEAWEEEQ EVAELLKEEF PNWYEKLVLE MVHHNTASLE KLVDSAWLEI MTKYAVGEEC DFEVGKEKML KVKIVKIHPL EKVDDEAVEK KSDGACDSPS SDKENSSQMA QDLQKKETV KEDEGRRESI NDRARRSPRK LPTSLKKGGER KWAPPKFLPH KYDVKLQNEQ KIISNVPADS LIRTERPPNK EILRYFIRHN ALRAGTGENA PWVVEDELVK KYSLPSKFSD FLLDPYKYMT LNPSTKRRNT GSPDRKPSKK PKRDSSSLSS PLNPKLWCHV HLEKSLNGPP LKVKNSKNSK SPEEHLEGVM KIMSPNNKL HSFHIPKKGK AAKKPGKHSD KPLKAKGRGK GILNGQKSTG NSKSPSKCVK TPKTKMKQMT LLDMAKGTQK MTRTPRSSGG VPRSSGKPHK HLPPAALHLI AYYKENKDKE DKKSALSCVI SKTARLLSNE DRARLPEELR ALVQKRYELL EHKRWASMS EEQRKEYLKK KRQELKERLR EKAKERRERE MLERLEKQKR FEDQELGGRN LPAFRLVDTP EGLPNTLFGD VALVVEFLSC YSGLLLPDAQ YPITAVSLME ALSADKGGFL YLNRVLVILL

QTLLQDEIAE DYGELGMKLS EIPLTLHSVS ELVRLCLRRC DVQEDSEGSE TDDNKDSTPF
EDNEVQDEFL EKLETSEFFE LTSEEKRLIL TALCHRILMT YSVQDHMETR QQVSAELWKE
RLAVLKEEND KKRAEKQKRK EMEARNKENG KEENVLGKVD RKKEIVKIEQ QVEVEADDMI
SAVKSRRLLS MQAKRKREIQ ERETKVRLER EAEERMRKH KAAAEKAFQE GIAKAKLVLR
RTPIGTDRNH NRYWLFSNEV PGLFIEKGWV HNSIDYRFKH HRKDHSNLPD DDYCPRSKKA
NLGKNASVNA HHGPALEAVE TTVPKQGQNL WFLCDSQKEL DELLSCLHPQ GIRESQLKER
LEKRYQEITH SIYLARKPNL GLKSCDGNQE LLNFLRSDLI EVATRLQKGG LGYMEGTSEF
EARVISLEKL KDFGECVIAL QASVIKKFLQ GFMAPKQKKR KLQSEDSTKS EEVDEEKKMV
EEAKVASALE KWKTAIREAQ TFSRMHVLLG MLDACIKWDM SAENARCKVC RKKGEDDKLI
LCDECNKAFH LFCLRPALYE VPDGEWQCPA CQPPTARRNS RGRNYTEEST SEGSEGDESG
EEEEEEEEEE EEEEDYEVAG LRLRPRKTIR GKQSVIPAAR PGRPPGKSSH PARRSRPKDD
PEVDDLVLQT KRISRRQSLE LQKCEDILHK LVKYRFSWPF REPVTRDEAE DYYDVIEHPM
DFQTIQNKCS CGNYRSVQEF LTDMKQVFAN AELYNCRGSH VLSCMEKTEQ CLLALLQKHL
PGHPYVRRKR RKFPDRLADD EGDSDSESVG QSRGRRQKK **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: BAZ1B

Alternative Name: Baz1b ([BAZ1B Products](#))

Background: Tyrosine-protein kinase BAZ1B (EC 2.7.10.2) (Bromodomain adjacent to zinc finger domain protein 1B) (Williams syndrome transcription factor homolog) (Williams-Beuren syndrome chromosomal region 9 protein homolog),FUNCTION: Atypical tyrosine-protein kinase that plays a central role in chromatin remodeling and acts as a transcription regulator (By similarity). Involved in DNA damage response by phosphorylating 'Tyr-142' of histone H2AX (H2AXY142ph) (PubMed:19092802). H2AXY142ph plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress (PubMed:19092802). Regulatory subunit of the ATP-dependent WICH-1 and WICH-5 ISWI chromatin remodeling complexes, which form ordered nucleosome arrays on chromatin and facilitate access to DNA during DNA-templated processes such as DNA replication, transcription, and repair (PubMed:11980720). Both complexes regulate the spacing of nucleosomes along the chromatin and have the ability to slide mononucleosomes to the center of a DNA template (PubMed:16514417). The WICH-1 ISWI chromatin remodeling complex has a lower ATP hydrolysis rate than the WICH-5 ISWI chromatin remodeling complex (By similarity). The WICH-5 ISWI chromatin remodeling complex regulates the transcription of various genes, has a role in RNA polymerase I transcription (PubMed:16514417). Within the B-WICH complex has a role in RNA polymerase III transcription (By similarity). Mediates the recruitment of the WICH-5 ISWI chromatin remodeling complex to replication foci during DNA replication (By similarity). {ECO:0000250|UniProtKB:Q9UIG0, ECO:0000269|PubMed:11980720, ECO:0000269|PubMed:16514417, ECO:0000269|PubMed:19092802}.

Molecular Weight: 170.7 kDa

UniProt: [Q9Z277](#)

Pathways: [Nuclear Hormone Receptor Binding](#), [Chromatin Binding](#)

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