Datasheet for ABIN7552573

BAZ1B Protein (AA 1-1483) (His tag)

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Overview

Quantity:	1 mg
Target:	BAZ1B
Protein Characteristics:	AA 1-1483
Origin:	Human
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 PAWYEKLVLE MVHHNTASLE KLVDTAWLEI MTKYAVGEEC DFEVGKEKML KVKIVKIHPL EKVDEEATEK KSDGACDSPS SDKENSSQIA QDHQKKETVV KEDEGRRESI NDRARRSPRK LPTSLKKGER KWAPPKFLPH KYDVKLQNED KIISNVPADS LIRTERPPNK EIVRYFIRHN ALRAGTGENA PWVVEDELVK KYSLPSKFSD FLLDPYKYMT LNPSTKRKNT GSPDRKPSKK SKTDNSSLSS PLNPKLWCHV HLKKSLSGSP LKVKNSKNSK SPEEHLEEMM KMMSPNKLHT NFHIPKKGPP AKKPGKHSDK PLKAKGRSKG ILNGQKSTGN SKSPKKGLKT PKTKMKQMTL LDMAKGTQKM TRAPRNSGGT PRTSSKPHKH LPPAALHLIA YYKENKDRED KRSALSCVIS KTARLLSSED RARLPEELRS LVQKRYELLE HKKRWASMSE EQRKEYLKKK REELKKKLKE KAKERREKEM LERLEKQKRY EDQELTGKNL PAFRLVDTPE GLPNTLFGDV AMVVEFLSCY SGLLLPDAQY PITAVSLMEA LSADKGGFLY LNRVLVILLQ

	TLLQDEIAED YGELGMKLSE IPLTLHSVSE LVRLCLRRSD VQEESEGSDT DDNKDSAAFE DNEVQDEFLE KLETSEFFEL TSEEKLQILT ALCHRILMTY SVQDHMETRQ QMSAELWKER LAVLKEENDK KRAEKQKRKE MEAKNKENGK VENGLGKTDR KKEIVKFEPQ VDTEAEDMIS AVKSRRLLAI QAKKEREIQE REMKVKLERQ AEEERIRKHK AAAEKAFQEG IAKAKLVMRR TPIGTDRNHN RYWLFSDEVP GLFIEKGWVH DSIDYRFNHH CKDHTVSGDE DYCPRSKKAN LGKNASMNTQ HGTATEVAVE TTTPKQGQNL WFLCDSQKEL DELLNCLHPQ GIRESQLKER LEKRYQDIIH SIHLARKPNL GLKSCDGNQE LLNFLRSDLI EVATRLQKGG LGYVEETSEF EARVISLEKL KDFGECVIAL QASVIKKFLQ GFMAPKQKRR KLQSEDSAKT EEVDEEKKMV EEAKVASALE KWKTAIREAQ TFSRMHVLLG MLDACIKWDM SAENARCKVC RKKGEDDKLI LCDECNKAFH LFCLRPALYE VPDGEWQCPA CQPATARRNS RGRNYTEESA SEDSEDDESD EEEEEEEEEE EEEDYEVAGL RLRPRKTIRG KHSVIPPAAR SGRRPGKKPH STRRSQPKAP PVDDAEVDEL VLQTKRSSRR QSLELQKCEE ILHKIVKYRF SWPFREPVTR DEAEDYYDVI THPMDFQTVQ NKCSCGSYRS VQEFLTDMKQ VFTNAEVYNC RGSHVLSCMV KTEQCLVALL HKHLPGHPYV RRKRKKFPDR LAEDEGDSEP EAVGQSRGRR QKK **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 mammalien 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) (Williams-Beuren syndrome chromosomal region 10 protein) (Williams-Beuren syndrome chromosomal region 9 protein) (hWALp2),FUNCTION: Atypical tyrosine-protein kinase that plays a central role in chromatin remodeling and acts as a transcription regulator (PubMed:19092802). Involved in DNA damage response by phosphorylating 'Tyr-142' of histone H2AX (H2AXY142ph) (PubMed:19092802, PubMed:19234442). 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, PubMed:19234442). 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, PubMed:28801535). 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:28801535). The WICH-1 ISWI chromatin remodeling complex has a lower ATP hydrolysis rate than the WICH-5 ISWI chromatin remodeling complex (PubMed:28801535). The WICH-5 ISWI chromatin-remodeling complex regulates the transcription of various genes, has a role in RNA polymerase I transcription (By similarity). Within the B-WICH complex has a role in RNA polymerase III transcription (PubMed:16603771). Mediates the recruitment of the WICH-5 ISWI chromatin remodeling complex to replication foci during DNA replication (PubMed:15543136). {ECO:0000250|UniProtKB:Q9Z277, ECO:0000269|PubMed:11980720, ECO:0000269|PubMed:15543136, ECO:0000269|PubMed:16603771, ECO:0000269|PubMed:19092802, ECO:0000269|PubMed:19234442, ECO:0000269|PubMed:28801535}.
Molecular Weight:	170.9 kDa
UniProt:	Q9UIG0
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.

Application Details

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

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