

Datasheet for ABIN3137624 BAZ1B Protein (AA 1-1479) (Strep Tag)



Overview

Quantity:	250 µg
Target:	BAZ1B
Protein Characteristics:	AA 1-1479
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAZ1B protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MAPLLGRKPF PLVKPLPGEE PLFTIPHTQE AFRTREEYEA RLERYSERIW TCKSTGSSQL
	THKEAWEEEQ EVAELLKEEF PNWYEKLVLE MVHHNTASLE KLVDSAWLEI MTKYAVGEEC
	DFEVGKEKML KVKIVKIHPL EKVDEEAVEK KSDGACDSPS SDKENSSQMA QDLQKKETVV
	KEDEGRRESI NDRARRSPRK LPTSLKKGER KWAPPKFLPH KYDVKLQNED KIISNVPADS
	LIRTERPPNK EILRYFIRHN ALRAGTGENA PWVVEDELVK KYSLPSKFSD FLLDPYKYMT
	LNPSTKRRNT GSPDRKPSKK PKRDSSSLSS PLNPKLWCHV HLEKSLNGPP LKVKNSKNSK
	SPEEHLEGVM KIMSPNNNKL HSFHIPKKGP AAKKPGKHSD KPLKAKGRGK GILNGQKSTG
	NSKSPSKCVK TPKTKMKQMT LLDMAKGTQK MTRTPRSSGG VPRSSGKPHK HLPPAALHLI
	AYYKENKDKE DKKSALSCVI SKTARLLSNE DRARLPEELR ALVQKRYELL EHKKRWASMS
	EEQRKEYLKK KRQELKERLR EKAKERRERE MLERLEKQKR FEDQELGGRN LPAFRLVDTP
	EGLPNTLFGD VALVVEFLSC YSGLLLPDAQ YPITAVSLME ALSADKGGFL YLNRVLVILL

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/5 | Product datasheet for ABIN3137624 | 02/26/2025 | Copyright antibodies-online. All rights reserved. QTLLQDEIAE DYGELGMKLS EIPLTLHSVS ELVRLCLRRC DVQEDSEGSE TDDNKDSTPFEDNEVQDEFL EKLETSEFFE LTSEEKLRIL TALCHRILMT YSVQDHMETR QQVSAELWKERLAVLKEEND KKRAEKQKRK EMEARNKENG KEENVLGKVD RKKEIVKIEQ QVEVEADDMISAVKSRRLLS MQAKRKREIQ ERETKVRLER EAEEERMRKH KAAAEKAFQE GIAKAKLVLRRTPIGTDRNH NRYWLFSNEV PGLFIEKGWV HNSIDYRFKH HRKDHSNLPD DDYCPRSKKANLGKNASVNA HHGPALEAVE TTVPKQGQNL WFLCDSQKEL DELLSCLHPQ GIRESQLKERLEKRYQEITH SIYLARKPNL GLKSCDGNQE LLNFLRSDLI EVATRLQKGG LGYMEGTSEFEARVISLEKL KDFGECVIAL QASVIKKFLQ GFMAPKQKKR KLQSEDSTKS EEVDEEKKMVEEAKVASALE KWKTAIREAQ TFSRMHVLLG MLDACIKWDM SAENARCKVC RKKGEDDKLILCDECNKAFH LFCLRPALYE VPDGEWQCPA CQPPTARRNS RGRNYTEEST SEGSEGDESGEEEEEEEEE EEEEDYEVAG LRLPRKTIR GKQSVIPAAR PGRPPGKKSH PARRSRPKDDPEVDDLVLQT KRISRRQSLE LQKCEDILHK LVKYRFSWPF REPVTRDEAE DYYDVIEHPMDFQTIQNKCS CGNYRSVQEF LTDMKQVFAN AELYNCRGSH VLSCMEKTEQ CLLALLQKHLPGHPYVRRKR RKFPDRLADD EGDSDSESVG QSRGRRQKK

Sequence without tag. The proposed Strep-Tag is based on experience s 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 in Germany from design to production by highly experienced protein experts.
- · Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALICE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/5 | Product datasheet for ABIN3137624 | 02/26/2025 | Copyright antibodies-online. All rights reserved.

	protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!
	Concentration:
	 The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured against its specific reference buffer. We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.
Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made
Target Details	
Target:	BAZ1B
Alternative Name:	Baz1b (BAZ1B Products)

Tyrosine-protein kinase BAZ1B (EC 2.7.10.2) (Bromodomain adjacent to zinc finger domain Background: 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

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/5 | Product datasheet for ABIN3137624 | 02/26/2025 | Copyright antibodies-online. All rights reserved.

	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.		
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from		
	Nicotiana tabacum c.v This contains all the protein expression machinery needed to produce		
	even the most difficult-to-express proteins, including those that require post-translational		
	modifications.		
	During lysate production, the cell wall and other cellular components that are not required for		
	protein production are removed, leaving only the protein production machinery and the		
	mitochondria to drive the reaction. During our lysate completion steps, the additional		
	components needed for protein production (amino acids, cofactors, etc.) are added to produce		
	something that functions like a cell, but without the constraints of a living system - all that's		
	needed is the DNA that codes for the desired protein!		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	The buffer composition is at the discretion of the manufacturer.		
	Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.		
Handling Advice:	Avoid repeated freeze-thaw cycles.		
Storage:	-80 °C		
Storage Comment:	Store at -80°C.		

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/5 | Product datasheet for ABIN3137624 | 02/26/2025 | Copyright antibodies-online. All rights reserved.

1.1	(1:
Н	and	ling
		3

Expiry Date:

12 months

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 5/5 | Product datasheet for ABIN3137624 | 02/26/2025 | Copyright antibodies-online. All rights reserved.