

Datasheet for ABIN3132091

BAZ1A Protein (AA 1-1555) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	BAZ1A
Protein Characteristics:	AA 1-1555
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAZ1A protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MPLLHRKPFV RQKPPGDLRP DEEVFYCKVT NEIFRHYDDF FERTILCNLS VWSCAVTGRP GLTYQEALERS ERKARQNLQS FPEPLIIPVL YLTNLTRRSR LHEICDDIFA YVKDRYFVEE TVEVIRNNGT RLQCRILEVL PPLHQNGFAN GHLSSADGET IVISDSDDSE TQSSSFHHGK KKDAIDPLLF RYRVQPTKKE MYESAVVKAT QISRRKHLFS RDKLKLFLKQ HCEAQDGVK IKASSFSAYN IAEQDFS YFF PDDPPTFIFS PANRRRGRPP KRISFGQEDS IASKQTAARY RNKAIKERDK LLKQEEMRAL AFEKAKLKRE RADALEARKR EKEDKEKKRE ELKKMVEEER LKKKEEKERL KIEREKEREK LREEKRKYME YLKQWSKPRE DMECDDLKEL PEPTPVKTRL PPEVFGDALM VLEFLNAFGE LFDLQDEFPE GVTLAEVLEE ALVGNDSEGP LCELLFFFLT AIFQAMAEER EEVAKEQITD ADTKDLTEAL DEDADPTKSA LSAAALAAA WPQLHQGCSL KSLDLDCTL SEILRLHILA SGADVTSANA KYRYQKRGGF DATDDACMEL RLSNP SLVKK LSSTSVYDLT PGEKMKILHA LCGKLLTLVS TRDFIEDYVD VLRQAKQEFR ELKAEQHRKE REATAARIRR RKEEKLKEQE QKMKEKQEK KEDEQRNSAA VPGYGEERE DFDSTENKN
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IEQKDLDPDV VTEDEDDPGS HKRSRRGKVG QTAVKQCIKQ EEMNYCIKQE PLSADAEEL
RQEQQKEKE LLDKIQAIA CTNIFPLGRD RLYRRYWIFP SIPGLFIEED YSGLTEDMLL
PRPSSFHNA QPRDPQVSIK TEESFLSEST SSLDQGPFD SVLLPKPVHK PNRWCIFYSSC
AQLDQLIDAL NSRGHRESAL KETLLQEKS RICAQLAHFSE EKHFHSDKPQ ADSKPVSSRG
RSSGACDISQ MSAERQLELR LRDFLLDIED RIYQGTLGAI KVTDRQVWRS ALENGRYELL
SEESKENGVI KTVNEDVEEM EMEQARVIVR DRLLGIKTET PSTISTSAST PQSVSNVVHY
LALALFQIEQ GIERRFLKAP LDGNDSGRSY KTVLDRWRES LLSSASLSQV FLHLSTLDRS
VMWSKSILNA RCKICRKKGD AENMVLCDCG DRGHHTYCVR PKLKAVPDGD WFCPECRPKQ
RSRRLSSRQR PSLESDEEME EGMEDDDDEV DDDDEEGQSE EEEYEVEQDE EDSDDDEALS
PPKRGRPQVR LPIKTKGRFG PSFSPRSQRQ DPGRYPSRSQ QSTPKNTAKS ASKNLRKTRS
APPTETSLR VGSRSTRHSP SALQDVVEL LSPHSKRRGR KGADHTPEHS PSFTNFRVST
SRSSRLIPL NTAESLSLQH SESKRRGRKR QSTESSPVPL NRRSSGRQGG VHELSAFEQL
VVELVRHDDS WPFLKLVSKI QVPDYYDIK KPIALNIIRE KVNKCEYKLA SEFIDDIELM
FSNCFEYNPR NTSEAKAGTR LQAFFHIQA KLGLHVSPST VDQVSTPLAA KKSRI

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Baz1a Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm.

The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

Product Details

	The concentration of the protein is calculated using its specific absorption coefficient. We use the ExPASy's protparam tool to determine the absorption coefficient of each protein.
Purification:	<p>Two step purification of proteins expressed in baculovirus infected SF9 insect cells:</p> <ol style="list-style-type: none">1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	BAZ1A
Alternative Name:	Baz1a (BAZ1A Products)
Background:	<p>Component of the ACF complex, an ATP-dependent chromatin remodeling complex, that regulates spacing of nucleosomes using ATP to generate evenly spaced nucleosomes along the chromatin. The ATPase activity of the complex is regulated by the length of flanking DNA. Also involved in facilitating the DNA replication process. BAZ1A is the accessory, non-catalytic subunit of the complex which can enhance and direct the process provided by the ATPase subunit, SMARCA5, probably through targeting pericentromeric heterochromatin in late S phase. Moves end-positioned nucleosomes to a predominantly central position. May have a role in nuclear receptor-mediated transcription repression (By similarity). {ECO:0000250}.</p> <p>Component of the histone-fold protein complex CHRAC complex which facilitates nucleosome sliding by the ACF complex and enhances ACF-mediated chromatin assembly. The C-terminal regions of both CHRAC1 and POLE1 are required for these functions (By similarity). {ECO:0000250}.</p>
Molecular Weight:	179.4 kDa Including tag.
UniProt:	O88379

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:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process