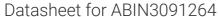
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ITGB3BP Protein (AA 1-177) (Strep Tag)



Image



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Overview

Quantity:	1 mg
Target:	ITGB3BP
Protein Characteristics:	AA 1-177
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITGB3BP protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

r armoation tag / conjugate.	This it obobi protein is labelled with other rag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)
Product Details	
Sequence:	MPVKRSLKLD GLLEENSFDP SKITRKKSVI TYSPTTGTCQ MSLFASPTSS EEQKHRNGLS
	NEKRKKLNHP SLTESKESTT KDNDEFMMLL SKVEKLSEEI MEIMQNLSSI QALEGSRELE
	NLIGISCASH FLKREMQKTK ELMTKVNKQK LFEKSTGLPH KASRHLDSYE FLKAILN
	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 by multi-step, protein-specific process to ensure
	correct folding and modification.

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 1/4 | Product datasheet for ABIN3091264 | 04/16/2024 | Copyright antibodies-online. All rights reserved.

reported (not tested by us and not guaranteed).

• These proteins are normally active (enzymatically functional) as our customers have

• 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.

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 posttranslational 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!

Concentration:

- 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.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System
	(ALiCE®):
	1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. Eluate fractions are analyzed by SDS-PAGE.
	 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:	>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Grade:	Crystallography grade

Target Details

Target:	ITGB3BP
Alternative Name:	ITGB3BP (ITGB3BP Products)
Background:	Centromere protein R (CENP-R) (Beta-3-endonexin) (Integrin beta-3-binding protein) (Nuclear
	receptor-interacting factor 3),FUNCTION: Transcription coregulator that can have both
	coactivator and corepressor functions. Isoform 1, but not other isoforms, is involved in the
	coactivation of nuclear receptors for retinoid X (RXRs) and thyroid hormone (TRs) in a ligand-
	dependent fashion. In contrast, it does not coactivate nuclear receptors for retinoic acid,
	vitamin D, progesterone receptor, nor glucocorticoid. Acts as a coactivator for estrogen
	receptor alpha. Acts as a transcriptional corepressor via its interaction with the NFKB1 NF-
	kappa-B subunit, possibly by interfering with the transactivation domain of NFKB1. Induces
	apoptosis in breast cancer cells, but not in other cancer cells, via a caspase-2 mediated
	pathway that involves mitochondrial membrane permeabilization but does not require other
	caspases. May also act as an inhibitor of cyclin A-associated kinase. Also acts a component o
	the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is
	involved in assembly of kinetochore proteins, mitotic progression and chromosome
	segregation. May be involved in incorporation of newly synthesized CENPA into centromeres
	via its interaction with the CENPA-NAC complex. {ECO:0000269 PubMed:11713274,
	ECO:0000269 PubMed:12244126, ECO:0000269 PubMed:15082778,
	ECO:0000269 PubMed:15254226, ECO:0000269 PubMed:16622420}.
Molecular Weight:	20.2 kDa
JniProt:	Q13352
Pathways:	Neurotrophin Signaling Pathway
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

Application Details

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. If you have a special request, please contact us.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

Images

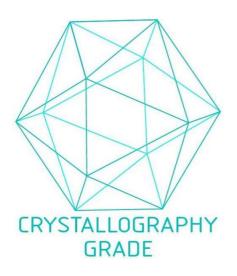


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process