

Datasheet for ABIN3136821

SEC16B Protein (AA 1-1051) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	SEC16B
Protein Characteristics:	AA 1-1051
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEC16B protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AlIcE®
Sequence:	<p>MEPWVPQTQG RTTGPSRDTN RGLQSGHYRP RLHSQYSGDK YHQWQDAHKN SKSQQDLRDD</p> <p>HQQSHSVSRS GEWSQPVSGA DYLGKSYPSH LYSRSGYGDP YQRYHTPTPR DEYAYGNYYY</p> <p>HGHPQLLPEE RVARQGSPYI WHEDHGDQRY FGEHHREKHN GTFGANSQTQ FQFTSKNPYR</p> <p>DSPASVSGQE QPGEFFPESE AQKQKPLLTS KSSLLQQHES GLSSSSYELS QYMTAAPEEY</p> <p>EPMVSAAWRP IQADDTSATV PKAPMRFYVP HVSVSFGPGG QLVCPVPPNSP ADGQTALVEV</p> <p>HSMEVLLNDF EDQEEMRAFP GPLIREDIHK VDIMTFCQKQ ATQCLKSETP GSRDSALLWQ</p> <p>LLVLLCRQNG SMVGSDIAEL LMQDCKKLEK YKRQPPVANL INLTDEDWPV LSSGTRDLLT</p> <p>GEIPPNVDTQ AQIVEKFTKL LYYGRKKEAL EWAMKNHLWG HALFLASKMD PRTYNWVMSG</p> <p>FTSTLALNDP LQTLFQLMSG RIPQAATVCG DKQWGDWRPH LAVILSNQAG DTELYQRAIV</p> <p>SMGDTLAGKG LVEASHFCYL MAHVFPFGHYT VKTDHLALVG SSHSQEFMKF ATIEAIQRTE</p> <p>IFEYCQMLGR PKSFIPSFQV YKLLYASRLA DYGLASQALH YCEAIGAAVL SQEGSSHPVL</p>

LAELIKLAEK LKLSDPLVLE RRRGDRDLEP DWLVQLRRKH KDLEQNRTGA PRDPDSTPSD
IYGAGGTTDT PYPDLSGHQN YSEDSEYSST LWSTAEQTSI TNPLAQQSFP LQRDTYSGHM
GTPVPLYSVP ATHLAVTSGA SGSSVAVTGT PGGRVGEDML RTHPAFGENT MTQEPLDPD
GLEVISSLQT PAAPRVPSFS EDSAASAKED EEGSSDGADK PSHPDASQKG KLGDGKNTKS
SGFGWFSWFR SKPASSVSTS GDEDSSDSSD SEESPRASSP HHASPGLSPT PPLTSPSLPG
ASTFSRGTGG SILQGSSNSS GIAEGMGIGG FSGTQGVSS FYSQPGALPP PPTLQGAVPL
YNPSQVPQLP TASSLNRPNR LAQRRYPTQP C

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 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.

Product Details

- 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:	SEC16B
Alternative Name:	Sec16b (SEC16B Products)
Background:	Protein transport protein Sec16B (Leucine zipper transcription regulator 2) (Regucalcin gene promoter region-related protein p117) (RGPR-p117) (SEC16 homolog B),FUNCTION: Plays a role in the organization of the endoplasmic reticulum exit sites (ERES), also known as transitional endoplasmic reticulum (tER). Required for secretory cargo traffic from the endoplasmic reticulum to the Golgi apparatus. Involved in peroxisome biogenesis. Regulates the transport of peroxisomal biogenesis factors PEX3 and PEX16 from the ER to peroxisomes. {ECO:0000250 UniProtKB:Q96JE7}.
Molecular Weight:	115.5 kDa
UniProt:	Q91XT4

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:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> 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.</p> <p>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</p>

Application Details

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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.

Expiry Date: 12 months