Datasheet for ABIN3137131

OSBPL3 Protein (AA 1-855) (Strep Tag)

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Overview

Quantity:	250 µg
Target:	OSBPL3
Protein Characteristics:	AA 1-855
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This OSBPL3 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	MSDEKNLGVS QKLVSPSRST SSCSSKQGSR QDSWEVVEGL RGEMTYTQEP PVQKGFLLKK RKWPLKGWHK RFFCLEKGIL KYAKSQADIE REKLHGCIDV GLSVMSVKKS SKCIDLDTEE HIYHLKVKSE ELFDEWVSKL RHHRMYRQNE IAMFPRDVNH FFSGSSVTDS APGVFESVSS RKRSSLSKQN SFPPGSNLSF SCGGDTRVPF WLQSSEDMEK CSKDMAHCHA YLLEMSQLLE SMDVLHRTYS APAINAIQVP KPFSGPVRLH SSNPNLSTLD FGEEKSYSDG SEASSEFSKM QEDLCHVAHK VYFALRSAFN SISVEREKLK QLMELDTSPS PSAQVVGLKH ALSSALAQNT DLKERLRRIH AESLLLDPPA VPKPGDNLAE ENSRDEGRAL VHQLSNESRL SITDSLSEFF DAQEVLLSPS SSENEISDDD SYVSDISDNL SLDNLSNDLD NERQTLGPVL ESSGEARSKR RTSLPAPGPN TSSVSLWSIL RNNIGKDLSK VAMPVELNEP LNTLQRLCEE LEYSELLDKA SRIPSPLERM VYVAAFAISA YASSYFRAGS KPFNPVLGET YECIRQDKGF QFFAEQVSHH PPISACHAES GNFVFWQDVR WKNKFWGKSM EIVPIGTTHV TLPAFGDHFE WNKVTSCIHN

ILSGQRWIEH YGEIDIKNLN DDSCHCKVNF IKAKYWSTNA HEIEGTVFDR SGKAVHRLFG KWHESIYCGG ASSSTCVWRA NPMPKGYEQY YGFTQFALEL NEMDPLSRSL LPPTDTRFRP DQRLLEEGNI EEAEVQKQRI EKLQRERRRV LEENGVEHQP RFFRKSSDDA WVSNGTYLEL RKDLGFSKLD HPVLW

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.
- 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.

Product Details

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:	OSBPL3
Alternative Name:	Osbpl3 (OSBPL3 Products)
Background:	Oxysterol-binding protein-related protein 3 (ORP-3) (OSBP-related protein 3),FUNCTION: Phosphoinositide-binding protein which associates with both cell and endoplasmic reticulum (ER) membranes. Can bind to the ER membrane protein VAPA and recruit VAPA to plasma membrane sites, thus linking these intracellular compartments. The ORP3-VAPA complex stimulates RRAS signaling which in turn attenuates integrin beta-1 (ITGB1) activation at the cell surface. With VAPA, may regulate ER morphology. Has a role in regulation of the actin cytoskeleton, cell polarity and cell adhesion. Binds to phosphoinositides with preference for PI(3,4)P2 and PI(3,4,5)P3. Also binds 25-hydroxycholesterol and cholesterol. {ECO:0000250|UniProtKB:Q9H4L5}.
Molecular Weight:	97.0 kDa
UniProt:	Q9DBS9

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

Application Details

	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.
Expiry Date:	12 months