

Datasheet for ABIN3092248

EPB41L3 Protein (AA 1-1087) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	EPB41L3
Protein Characteristics:	AA 1-1087
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPB41L3 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MTTESGSDSE SKPDQEAEPQ EAAGAQRAG APVPEPPKEE QQQALEQFAA AAAHSTPVRR</p> <p>EVTDKQEFA ARAAQLEYQ QLEDDKLSQK SSSSKLSRSP LKIVKKPKSM QCKVILLDGS</p> <p>EYTCDEKRS RGQVLFDKVC EHLNLLKDY FGLTYRDAEN QKNWLDPAGE IKKQVRSGAW</p> <p>HFSFNVKFYP PDPAQLSEDI TRYILCLQLR DDIVSGRLPC SFVTLLALLGS YTVQSELGDY</p> <p>DPDECGSDYI SEFRFAPNHT KELEDKVEL HKSHRGMTPA EAEMHFLENA KKLSMYGVDL</p> <p>HHAKDSEGVE IMLGVCASGL LIYRDLRLIN RFAWPVKLKI SYKRNIFYIK IRPGEFEQFE</p> <p>STIGFKLPNH RAAKRLWKVC VEHTFFRLL LPEAPPKFL TLGSKFRYSG RTQAQTRRAS</p> <p>ALIDRPAPYF ERSSSKRYTM SRSLDGEVGT GQYATTKGIS QTNLITTVTP EKKAEEERDE</p> <p>EEDKRRKGEE VTPISAIRHE GKSPGLGTDS CPLSPSTHC APTSPTELRR RCKENDCKLP</p> <p>GYEPSRAEHL PGEPALDSGD PGRPYLGDQD VAFSYRQQTG KGTTLFSFSL QLPESFPSLL</p> <p>DDDGYSFPN LSETNLLPQS LQHYLPIRSP SLVPCFLFIF FFLLSASFV PYALTLSFPL</p>

ALCLCYLEPK AASLSASLDN DPSDSSEET DSERTDTAAD GETTATESDQ EEDAELKAQE
LEKTQDDLK HQTNISELKR TFLETSTDV VTNEWKRLS TSPVRLAARQ EDAPMIEPLV
PEETKQSSGE KLMDGSEIFS LLESARKPTE FIGGVTSSTQ SWVQKMETKT ESSGIETEPT
VHHLPLSTEK VVQETVLVEE RRVVHASGDA SYSAGDSGDA AAQPAFTGIK GKEGSALTEG
AKEEGGEEVA KAVLEQEETA AASRERQEEQ SAAIHSETL EQKPHFESST VKTETISFGS
VSPGGVKLEI STKEVPVHT ETKTITYESS QVDPGTDLEP GVLMSAQIT SETTSTTTTT
HITKTVKGGI SETRIEKRIV ITGDADIDHD QALAQAIKEA KEQHPDMSVT KVVVHKETEI TPEDGED

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:	EPB41L3
Alternative Name:	EPB41L3 (EPB41L3 Products)
Background:	Band 4.1-like protein 3 (4.1B) (Differentially expressed in adenocarcinoma of the lung protein 1) (DAL-1) (Erythrocyte membrane protein band 4.1-like 3) [Cleaved into: Band 4.1-like protein 3, N-terminally processed],FUNCTION: Tumor suppressor that inhibits cell proliferation and promotes apoptosis. Modulates the activity of protein arginine N-methyltransferases, including PRMT3 and PRMT5. {ECO:0000269 PubMed:15334060, ECO:0000269 PubMed:15737618, ECO:0000269 PubMed:16420693, ECO:0000269 PubMed:9892180}.
Molecular Weight:	120.7 kDa
UniProt:	Q9Y2J2
Pathways:	Cell-Cell Junction Organization, Maintenance of Protein Location

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