

Datasheet for ABIN3092272

## EHBP1 Protein (AA 1-1231) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	EHBP1
Protein Characteristics:	AA 1-1231
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EHBP1 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Brand:	AliCE®
Sequence:	<p>MASVWKRLQR VGKHASKFQF VASYQELMVE CTKKWQPKL VVVWTRRSRR KSSKAHSWQP</p> <p>GIKNPYRGVV VWPVPENIEI TVTLFKDPAH EEFEDKEWTF VIENESPSGR RKALATSSIN</p> <p>MKQYASPMPT QTDVKLKF KP LSKKVVSAAAL QFSLSCIFLR EGKATDEDMQ SLASLMSMKQ</p> <p>ADIGNLDDFE EDNEDDDENR VNQEEKAAKI TEIVNQLNAL SSLDEDQDDC IKQANMRSK</p> <p>SASSSEELIN KLNFLDEAEK DLATVNSNPF DDPDAAELNP FGDPDSEEP I TETASPRKTE</p> <p>DSFYNNSSYNP FKEVQTPQYL NPFDEPEAFV TIKDSPPQST KRKNIRPVDM SKLYADSSK</p> <p>TEEEELDESN PFYEPKSTPP PNNLVNPVQE LETERRVKRK APAPPVLSPK TGVNENTVS</p> <p>AGKDLSTSPK PSPIPSVLG RKPNASQSLL VWCKEVTKNY RGVKITNFTT SWRNGLSFCA</p> <p>ILHHRPDLI DYKSLNPQDI KENNKKAYDG FASIGISRLL EPSDMVLLAI PDKLTVMTYL</p> <p>YQIRAHFSGQ ELNVVQIEEN SSKSTYKVG N YETDTNSSVD QEKFYAELSD LKREPELQQP</p> <p>ISGAVDFLSQ DDSVFVND SG VGESESEHQT PDDHLSPSTA SPYCRRTKSD TEPQKSQSS</p>



GRTSGSDDPG ICSNTDSTQA QVLLGKKRLL KAETLELSL YVSDKKKDMS PPFICEETDE  
QKLQTLDIGS NLEKEKLENS RSLECRSDPE SPIKKTSLSP TSKLGYSYSR DLDLAKKKHA  
SLRQTESDPD ADRTTLNHAD HSSKIVQHRL LSRQEELKER ARVLLEQARR DAALKAGNKH  
NTNTATPFCN RQLSDQQDEE RRRQLRERAR QLIAEARSGV KMSELPSYGE MAAEKLKERS  
KASGDENDNI EIDTNEEIP EGFVVG GDEL TNLENDL DTP EQNSKLVDLK LKKLLEVQPQ  
VANSPSSAAQ KAVTESSEQD MKSGTEDLRT ERLQKTTERF RNPVWFSKDS TVRKTQLQSF  
SQYIENRPEM KRQRSIQEDT KKGNEEKAAI TETQRKPSED EVLNKGFKDT SQYVVGELAA  
LENEQKQIDT RAALVEKRLR YLMDTGRNTE EEEAMMQEWF MLVNKKNALI RRMNQLSLLE  
KEHDLERRY E LLNREL RAML AIEDWQKTEA QKRREQLLLD ELVALVNKRD ALVRDLDAQE  
KQAEED EHL ERTLEQNKGK MAKKEEKCVL Q

**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.**

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### 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!



## Product Details

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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.

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

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Target:	EHBP1
Alternative Name:	EHBP1 ( <a href="#">EHBP1 Products</a> )
Background:	EH domain-binding protein 1,FUNCTION: May play a role in actin reorganization. Links clathrin-mediated endocytosis to the actin cytoskeleton. May act as Rab effector protein and play a role in vesicle trafficking (PubMed:14676205, PubMed:27552051). Required for perinuclear sorting and insulin-regulated recycling of SLC2A4/GLUT4 in adipocytes (By similarity). {ECO:0000250 UniProtKB:Q69ZW3, ECO:0000269 PubMed:14676205, ECO:0000305 PubMed:27552051}.
Molecular Weight:	140.0 kDa
UniProt:	<a href="#">Q8NDI1</a>

## Application Details

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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.
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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 <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months