

Datasheet for ABIN7553730  
**EPB41L4B Protein (AA 1-900) (His tag)**



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## Overview

Quantity:	1 mg
Target:	EPB41L4B
Protein Characteristics:	AA 1-900
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPB41L4B protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant EPB41L4B Protein expressed in mammalian cells.
Sequence:	MLRFLRRFTFG RRSMQRYARG AAGRGAAGLG DERDGGPRGG PAAAASSSAL PAAPGGSVFP AGGGPLLTGG AAVHISAAGA AKATLYCRVF LLDGTEVSVD LPKHAKGQDL FDQIVYHLDL VETDYFGLQF LDSAQVAHWL DHAKPIKKQM KIGPAYALHF RVKYYSSEPN NLREEFTRYL FVLQLRHDIL SGKCLKPYET AVELAALCLQ AELGECPELPE HTELVSEFR FIPNQTEAME FDIFQRWKEC RGKSPAQEL SYLNKAKWLE MYGVDMHVVR GRDGCEYSLG LTPTGILIFE GANKIGLFFW PKITKMDFKK SKLTLVVVED DDQGREQEHT FVFR LDSART CKHLWKCAVE HHAFFRLRTP GNSKSNRSDF IRLGSRFRFS GRTEYQATHG SRLRRTSTFE RKPSKRYPSR RHSTFKASNP VIAAQLCSKT NPEVHNYQPQ YHPNIHPSQP RWHPHSPNVS YPLPSPVLSS SDRLPFGIEE NGGTPFLTAA SGRHHHQHQH QHQHQHHSNY SLSLTLENKE GPLRSPNSSS KSLTKLSPGT PALFSEAAAH LKKLELETVK AAGPWPLHI NINKAEKKV SEKTLQTPLL PSPVADHVKC NILKAQLENA SRVNIQGGKE ESPFVNINKK SSLQDASVRS PIPRVETAQ PAVEKPEIKP PRVRKLTRQY SFDEDDLPPD LAEAVGVTTT TTTNTTTAAT QVSVPLPSPK

## Product Details

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VQNVSSPHKS EGKGLLSPGA KSPSDRGGAF TLEPGDLLMD FTEATPLAEP ASNPHCAHSR  
CSPPLSLPMK EETTVGCMYP PIKTRLIKTF PVDTMNPFDP TFTTGPQFTA DFRDSKLQCC  
PGPTSPLIPA ATRLRPLTETV STVQTIYTTR KPVSLAASAE TLRQELERЕК MMKRLLMTEL

**Sequence without tag. The proposed Purification-Tag is based on experiences 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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Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: EPB41L4B

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Alternative Name: EPB41L4B ([EPB41L4B Products](#))

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Background: Band 4.1-like protein 4B (Erythrocyte membrane protein band 4.1-like 4B) (FERM-containing protein CG1) (Protein EHM2),FUNCTION: Up-regulates the activity of the Rho guanine nucleotide exchange factor ARHGEF18 (By similarity). Involved in the regulation of the circumferential actomyosin belt in epithelial cells (PubMed:22006950). Promotes cellular adhesion, migration and motility in vitro and may play a role in wound healing

## Target Details

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(PubMed:23664528). May have a role in mediating cytoskeletal changes associated with steroid-induced cell differentiation (PubMed:14521927). {ECO:0000250|UniProtKB:Q9JMC8, ECO:0000269|PubMed:14521927, ECO:0000269|PubMed:22006950, ECO:0000269|PubMed:23664528}.

Molecular Weight: 99.7 kDa

UniProt: [Q9H329](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months