

Datasheet for ABIN7550623
PCBP2 Protein (AA 1-365) (His tag)



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Overview

Quantity:	1 mg
Target:	PCBP2
Protein Characteristics:	AA 1-365
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCBP2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PCBP2 Protein expressed in mammalian cells.
Sequence:	<p>MDTGVEGGL NVTLTIRLLM HGKEVGSIIK KKGESVKKMR EESGARINIS EGNCPERIIT LAGPTNAIFK AFAMIIDKLE EDISSSMTNS TAASRPPVTL RLVVPASQCG SLIGKGGCKI KEIRESTGAQ VQVAGDMLPN STERAITAG IPQSIIECVK QICVVMLETI SQSPPKGVTI PYRPKPSSSP VIFAGGQDRY STGSDSASFP HTTPSMCLNP DLEGPPELAY TIQQQYAIQ PDLTKLHQLA MQQSHFPMTH GNTGFSGIES SSPEVKGYWG LDASAQTTSH ELTIPNDLIG CIIGRQGAKI NEIRQMSGAG IKIANPVEGS TDRQVTITGS AASISLAQYL INVRLSSETG GMGSS</p> <p>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.</p>
Characteristics:	Key Benefits:

Product Details

- 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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PCBP2
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Alternative Name:	PCBP2 (PCBP2 Products)
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Background:	<p>Poly(rC)-binding protein 2 (Alpha-CP2) (Heterogeneous nuclear ribonucleoprotein E2) (hnRNP E2),FUNCTION: Single-stranded nucleic acid binding protein that binds preferentially to oligo dC (PubMed:7607214, PubMed:12414943). Major cellular poly(rC)-binding protein (PubMed:12414943). Binds also poly(rU) (PubMed:12414943). Acts as a negative regulator of antiviral signaling (PubMed:19881509, PubMed:35322803). Negatively regulates cellular antiviral responses mediated by MAVS signaling (PubMed:19881509). It acts as an adapter between MAVS and the E3 ubiquitin ligase ITCH, therefore triggering MAVS ubiquitination and degradation (PubMed:19881509). Negatively regulates the cGAS-STING pathway via interaction with CGAS, preventing the formation of liquid-like droplets in which CGAS is activated (PubMed:35322803). Together with PCBP1, required for erythropoiesis, possibly by regulating mRNA splicing (By similarity). {ECO:0000250 UniProtKB:Q61990, ECO:0000269 PubMed:12414943, ECO:0000269 PubMed:19881509, ECO:0000269 PubMed:35322803, ECO:0000269 PubMed:7607214}., FUNCTION: (Microbial infection) In case of infection by poliovirus, binds to the viral internal ribosome entry site (IRES)</p>
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Target Details

and stimulates the IRES-mediated translation (PubMed:12414943, PubMed:24371074). Also plays a role in initiation of viral RNA replication in concert with the viral protein 3CD (PubMed:12414943). {ECO:0000269|PubMed:12414943, ECO:0000269|PubMed:24371074}.

Molecular Weight: 38.6 kDa

UniProt: [Q15366](#)

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.

Restrictions: For Research Use only

Handling

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