

Datasheet for ABIN7548584
IQCB1 Protein (AA 1-598) (His tag)



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Overview

Quantity:	1 mg
Target:	IQCB1
Protein Characteristics:	AA 1-598
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IQCB1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat IQCB1 Protein expressed in mammalian cells.
Sequence:	<p>MKPTGTDPRI LSIAAEVAKS PEQNPVILL KLKEIINITP LGSSELKKIK QDIYCYDLIQ YCLLVLSQDY</p> <p>SRIQGGWTTI SQLTQILSHC CVGLEPGEDA EEFYNELLPS AAENFLVLGR QLQTCFINAA</p> <p>KAEKDELLH FFQIVTDSL F WLLGGHVELI QNVLQSDHFL HLLQADNVQI GSAVMMMLQN</p> <p>ILQINSGDLL RIGRKALYSI LDEVIFKLFS TPSPVIRSTA TKLLLLMAES HQEILILLRQ STCYKGLRRL</p> <p>LSKQETGTEF SQELRQLVGL LSPMVYQVE EQKLHQAACL IQAYWKGFT RKRLKKLP</p> <p>VIALQRSFRS KRSKMILLEIN RQKEEEDLKL QLQLQRQRAM RLSRELQLSM LEIVHPGQVE</p> <p>KHYREMEEKS ALIIQKHWRG YRERKNFHQQ RQSLIEYKAA VTLQRAALKF LAKCRKKKKL</p> <p>FAPWRGLQEL TDARRVELKK RVDDYVRRHL GSPMSDVVSR ELHAQAQERL QHYFMGRALE</p> <p>ERAQQHREAL IAQISTNVEQ LMKAPSLKEA EGKEPELFLS RSRPVAAKAK QAHLTTLKH</p> <p>QAPWWKKLGE ESGDEIDVPK DELSIELENL FIGGTPKP Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p>

of the protein could make another tag necessary. In case you have a special request, please contact us.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

IQCB1

Alternative Name:

IQCB1 ([IQCB1 Products](#))

Background:

IQ calmodulin-binding motif-containing protein 1 (Nephrocystin-5) (p53 and DNA damage-regulated IQ motif protein) (PIQ),FUNCTION: Involved in ciliogenesis. The function in an early step in cilia formation depends on its association with CEP290/NPHP6 (PubMed:21565611, PubMed:23446637). Involved in regulation of the BBSome complex integrity, specifically for presence of BBS2 and BBS5 in the complex, and in ciliary targeting of selected BBSome cargos. May play a role in controlling entry of the BBSome complex to cilia possibly implicating CEP290/NPHP6 (PubMed:25552655). {ECO:0000269|PubMed:23446637, ECO:0000269|PubMed:25552655}.

Molecular Weight:

68.9 kDa

UniProt:

[Q15051](#)

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.
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Restrictions:	For Research Use only
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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