

Recombinant Full Length Human IQCB1 Protein, GST-tagged

Cat. No. IQCB1-5700HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IQCB1 full-length ORF (NP_001018865.1, 1 a.a. - 465 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	465 amino acids
Description	This gene encodes a nephrocystin protein that interacts with calmodulin and the retinitis pigmentosa GTPase regulator protein. The encoded protein has a central coiled-coil region and two calmodulin-binding IQ domains. It is localized to the primary cilia of renal epithelial cells and connecting cilia of photoreceptor cells. The protein is thought to play a role in ciliary function. Defects in this gene result in Senior-Loken syndrome type 5. Alternative splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 6. [provided by RefSeq, Jan 2016]
Molecular Mass	80.2 kDa
AA Sequence	MKPTGTDPRIISIAAEVAKSPEQNVVPVILLKLKEIINITPLGSSELKKIKQDIYCYDLIQY CLLVLSQDYSRIQGGWTTISQLTQILSHCCVGLPEGEDAEFYNNELLPSAAENFLVLG RQLQTCFINAAKAEKDELLHFFQIVTDSLFWLLGGHVELIQNVLQSDHFLHLLQADN VQIGSAVMMMLQNILQINRSKRSMLEINRQKEEEDLKLQLQLQRQRAMRLSRELQ LSMLEIVHPGQVEKHYREMEEEKSALIIQKHWRGYRERKNFHQQRQSLIEYKAAVTLQ RAALKFLAKYRKKKKLFAPWRGLQELTDARRVELKKRVDDYVRRHLGSPMSDVVSR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ELHAQAQERLQHYFMGRALEERAQQHREALIAQISTNVEQLMKAPSLKEAEGKEPE
LFLSRSRPVAAKAKQAHLTTLKHIQAPWWKKLGEESEGDEIDVPKDELSIELENLFIGG
TKPP

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[IQCB1 IQ motif containing B1 \[Homo sapiens \]](#)

Official Symbol

[IQCB1](#)

Synonyms

IQCB1; IQ motif containing B1; IQ calmodulin binding motif containing 1; IQ calmodulin-binding motif-containing protein 1; KIAA0036; nephrocystin 5; NPHP5; IQ calmodulin-binding motif containing 1; p53 and DNA damage-regulated IQ motif protein; PIQ; SLSN5;

Gene ID

[9657](#)

mRNA Refseq

[NM_001023570](#)

Protein Refseq

[NP_001018864](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	609237
-----	--------

UniProt ID	Q15051
------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA