

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
Protein Length	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	MKPTGTDPRILSIAAEVAKSPEQNVVPVILLKLKEIINITPLGSSELKKIKQDIYCYDLIQY CLLVLSQDYSRIQGGWTTISQLTQILSHCCVGLPEGEDAEFYNELLPSSAAENFLVLG RQLQTCFINAAKAEKDELLHFFQIVTDSLFWLLGGHVELIQNVLQSDHFLHLLQADN VQIGSAVMMMLQNILQINRSKRSMKMLLEINRQKEEEDLKLQLQLQRQRAMRLSRELQ LSMLEIVHPGQVEKHYREMEEEKSALIIQKHWRGYRERKNFHHQQRQSLIEYKAAVTLQ RAALKFLAKYRKKKKLFAPWRGLQELTDARRVELKRVDDYVRRHLGSPMSDVVSR

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ELHAQAQERLQHYFMGRALLEERAQQHREALIAQISTNVEQLMKAPSLKEAEGKEPE
LFLSRSRPVAAKAKQAHLTTLKHIQAPWWKLGEEESGDEIDVPKDELSIELENLFIGG
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

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