



# Recombinant Human IQ calmodulin-binding motif-containing protein 1 (IQCB1)

<b>Product Code</b>	CSB-EP621862HU
<b>Abbreviation</b>	IQCB1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q15051
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MKPTGTDPRI LSIAAEVAKS PEQNVPVILL KLKEIINITP LGSSELKKIK QDIYCYDLIQ YCLLVLSQDY SRIQGGWTTI SQLTQILSHC CVGLEPGEDA EEFYNELLP S AAENFLVLGR QLQTCFINAA KAEKDELLH FFQIVTDSL F WLLGGHVELI QNVLQSDHFL HLLQADNVQI GSAVMMMLQN ILQINSGDLL RIGRKALYSI LDEVIFKLFS TPSPVIRSTA TKLLLLMAES HQEILILLRQ STCYKGLRRL LSKQETGTEF SQELRQLVGL LSPMVYQEVE EQKLHQAACL IQAYWKGFQT RKRLKKLPSA VIALQRSFRS KRSKMLLEIN RQKEEEDLKL QLQLQRQRAM RLSRELQLSM LEIVHPGQVE KHYREMEEKS ALIIQKHWRG YRERKNFHQQ RQSLIEYKAA VTLQRAALKF LAKCRKKKKL FAPWRGLQEL TDARRVELKK RVDDYVRRHL GSPMSDVVSR ELHAQAQERL QHYFMGRALE ERAQQHREAL IAQISTNVEQ LMKAPSLKEA EGKEPELFLS RSRPVAAKAK QAHLTTLKHI QAPWWKKLGE ESGDEIDVPK DELSIELENL FIGGTKPP
<b>Source</b>	E.coli
<b>Target Names</b>	IQCB1
<b>Protein Names</b>	Recommended name: IQ calmodulin-binding motif-containing protein 1 Alternative name(s): Nephrocystin-5
<b>Expression Region</b>	1-598
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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