



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

Product Code	CSB-YP621862HU
Abbreviation	IQCB1
Storage	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.
Uniprot No.	Q15051
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	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
Source	Yeast
Target Names	IQCB1
Protein Names	Recommended name: IQ calmodulin-binding motif-containing protein 1 Alternative name(s): Nephrocystin-5
Expression Region	1-598
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

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.

Shelf Life

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