

Recombinant Mouse Iqcb1 Protein, His&GST-tagged

Cat. No. Iqcb1-1691M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Iqcb1 Protein (Leu317-Pro598) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu317-Pro598
Description	Predicted to enable calmodulin binding activity and enzyme binding activity. Involved in cilium assembly. Located in photoreceptor connecting cilium and photoreceptor outer segment. Is expressed in several structures, including heart ventricle; metanephros; retina; and telencephalon ventricular layer. Human ortholog(s) of this gene implicated in Leber congenital amaurosis; Senior-Loken syndrome; nephronophthisis; and retinitis pigmentosa 3. Orthologous to human IQCB1 (IQ motif containing B1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 58.5 kDa Accurate Molecular Mass: 64 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	lqcb1 IQ calmodulin-binding motif containing 1 [Mus musculus (house mouse)]
Official Symbol	lqcb1
Synonyms	lqcb1; IQ calmodulin-binding motif containing 1; NPHP5; AV128382; 6820449I09Rik; IQ calmodulin-binding motif-containing protein 1
Gene ID	320299
mRNA Refseq	NM_177128
Protein Refseq	NP_796102
UniProt ID	Q8BP00