



# Recombinant Human Lebercilin (LCA5)

<b>Product Code</b>	CSB-EP769789HU
<b>Abbreviation</b>	LCA5
<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>	Q86VQ0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MGERAGSPGT DQERKAGKHH YSYLSDFETP QSSGRSSLVS SSPASVRRKN PKRQTS DGQV HHQAPRKPS KGLPNRKGVR VGFRSQSLNR EPLRKDSDLV TKRILSARLL KINELQNEVS ELQVKLAELL KENKSLKRLQ YRQEKALNKF EDAENEISQL IFRHNNEITA LKERLRKSQE KERATEKRVK DTESELFRTK FSLQKLKEIS EARHLPERDD LAKKLVS AEL KLDDTERRIK ELSKNLELST NSFQRQLLAE RKRAYEAHDE NKVLQKEVQR LYHKLKEKER ELDIKNIYSN RLPKSSPNKE KELALRKNA A CQSDFADLCT KGVQTMEDFK PEEYPLTPET IMCYENKWEE PGHLTLDLQS QKQDRHGEAG ILNPIMEREE KFVTDEELHV VKQEVEKLED EWEREELDKK QKEKASLLER EEKPEWETGR YQLGMYPION MDKLQGEEEE RLKREMLLAK LNEIDRELQD SRNLKYPVLP LLPDFESKLH SPERSPKTYR FSESSERLFN GHHLQDISFS TPKGEGQNSG NVRSPASPNE FAFGSYVPSF AKTSERSNPF SQKSSFLDFQ RNSMEKLSKD GVDLITRKEK KANLMEQLFG ASGSSTISSK SSDPNSVASS KGDIDPLNFL PGNKGSRDQE HDEDEGFFLS EGRSFNPNRH RLKHADDKPA VKAADSVEDE IEEVALR
<b>Source</b>	E.coli
<b>Target Names</b>	LCA5
<b>Protein Names</b>	Recommended name: Lebercilin Alternative name(s): Leber congenital amaurosis 5 protein
<b>Expression Region</b>	1-697
<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 protein that is thought to be involved in centrosomal or ciliary functions. Mutations in this gene cause Leber congenital amaurosis type V. Alternatively spliced transcript variants are described.
<b>Reconstitution</b>	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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