



Recombinant Rat Lebercilin (Lca5)

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| Product Code | CSB-BP722606RA |
| Abbreviation | Lca5 |
| 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. | Q5U2Y9 |
| Product Type | Recombinant Protein |
| Immunogen Species | Rattus norvegicus (Rat) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | <p> MGERDQSSDT DQERKGGKHP YSSHYSSDFG SSPQSSGPSS PVNTPPCASN REKNPKRHLS DHHVRHQTVR KVSPKAIPNK KGVRVGFERSQ SLNREPLRKD PDIVTKRVLS ARLLKITELQ NEVSELQVKL AQLLKENKAL KSLQYRQEKA LSKFEDAENE ISQLIHRHNG EITALKERLR KSQEKERMAE KRVKDTEGEL FRTKFSLQKL KKISEARHLP ERDDLAKKLV SAELKLDNTE RKIKELSKNL ELSTNSFQRQ LLAERKRAFE AHDENKILQK ELQRLHHKLIK EKEKELDIKN IYANRLPKSS PKKEKEIARK HASCQSDFTD LCTKAVQTAE DFEPEEFPFT AQTVLCYENR WDGSEYLPSY LEYQERNEHG SESLSSTLEQ EGKYSDDQDS CTAKQETGKS ECEWEREELD KVKGKSSLLG RTEKLVLEAG SVQTESYQAQ TIDKFQDEAE RLKTEMLLAK LNEINKELQD PQSLSRPLLP LLPNFESKLY SPDRSLRPYT FSESLDRSFN GQHLSDMSFL TPRDEGQSPG LIRSPAPSDE FSGSYVPSF GKTPGKSNPP SQKNSLLDFQ SNMSEGLSKD SLDFISRKEK KATLMEQLFG TSASASATNT SASTTTNTTT NTNTNTNTNT NTNCNVPSKS IDSHFPAASR GDLPLHFLS GDRSSRVREP DGEDEDLFLS EGRSFNPNRH RLKHTSTKPT VTAVDSIDED IEEVTLR </p> |
| Source | Baculovirus |
| Target Names | Lca5 |
| Protein Names | Recommended name: Lebercilin Alternative name(s): Leber congenital amaurosis 5 protein homolog |
| Expression Region | 1-727 |
| 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 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. |
| 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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