

Datasheet for ABIN7549004
LCA5 Protein (AA 1-697) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | LCA5 |
| Protein Characteristics: | AA 1-697 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This LCA5 protein is labelled with His tag. |

Product Details

| | |
|-----------|---|
| Purpose: | Custom-made recombinant LCA5 Protein expressed in mammalian cells. |
| Sequence: | <p>MGERAGSPGT DQERKAGKHH YSYLSDFETP QSSGRSSLVS SSPASVRRKN PKRQTSDGQV</p> <p>HHQAPRKPS KGLPNRKGVR VGFRSQLNR EPLRKDTDLV TKRILSARLL KINELQNEVS</p> <p>ELQVKLAELL KENKSLKRLQ YRQEKALNKF EDAENEISQL IFRHNNEITA LKERLRKSQE</p> <p>KERATEKRVK DTESELFRTK FSLQKLKEIS EARHLPERDD LAKKLVS AEL KLDDTERRIK</p> <p>ELSKNLELST NSFQRQLLAE RKRAYEAHDE NKVLQKEVQR LYHKLKEKER ELDIKNIYSN</p> <p>RLPKSSPNKE KELALRKNAA CQSDFADLCT KGVQTMEDFK PEEYPLTPET IMCYENKWEE</p> <p>PGHLTLDLQS QKQDRHGEAG ILNPIMEREE KFTVDEELHV VKQEVKLED EWEREELDKK</p> <p>QKEKASLLER EEKPEWETGR YQLGMYPIQN MDKLQGE EEE RLKREMLLAK LNEIDRELQD</p> <p>SRNLKYPVLP LLPDFESKLH SPERSPKTYR FSESSERLFN GHHLQDISFS TPKGEGQNSG</p> <p>NVRSPASPNE FAFGSYVPSF AKTSERSNPF SQKSSFLDFQ RNSMEKLSKD GVDLITRKEK</p> <p>KANLMEQLFG ASGSSTISSK SSDPNSVASS KGDIDPLNFL PGNKGSRDQE HDEDEGFFLS</p> <p>EGRSFNPNRH RLKHADDKPA VKAADSVEDE IEEVALR Sequence without tag. The proposed</p> |

Product Details

Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: LCA5

Alternative Name: LCA5 ([LCA5 Products](#))

Background: Lebercilin (Leber congenital amaurosis 5 protein),FUNCTION: Involved in intraflagellar protein (IFT) transport in photoreceptor cilia. {ECO:0000250|UniProtKB:Q80ST9}.

Molecular Weight: 80.6 kDa

UniProt: [Q86VQ0](#)

Application Details

| | |
|--------------------|---|
| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

Handling

| | |
|------------------|--|
| Format: | Liquid |
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | 12 months |