

Datasheet for ABIN7558309
LCA5 Protein (AA 1-704) (His tag)



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Overview

Quantity:	1 mg
Target:	LCA5
Protein Characteristics:	AA 1-704
Origin:	Mouse
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>MGERARSPDI EQGKKGGKHP YSHYSSDLGS SPQSSGPSSP VNTTPCASTR EKNPKRHLSD</p> <p>NQVHHPTVRK VSPKAVPSKK GIRVGFRSQS LNREPLRKDP DIVTKRVLSA RLLKINELQN</p> <p>EVSELQVKLA QLLKENKALK SLQYRQEKAL NKFEDAENEI SqlihrhNNE ITALKERLRK</p> <p>SQEKERATEK RVKETEGELF RTKFSLQKLK KISEARHLPE RDDLAKKLVS AELKLDDTER</p> <p>KIKELSKNLE LSTNSFQRQL LAERKRAFEA YDENKVLQKE LQRLHHKLKE KEKELDIKNI</p> <p>YANRLPKSSP KKEKEIERKH VSCQSDFTDQ CTkgvQTAED FELEDFPFTA QTVLCYENRW</p> <p>DEPEYLSSYL EYQDLNKHGS EMLSSVLGQE GKYDEDEDPC SAKQEARKPE SEWAREELDK</p> <p>VKGKSALLGR AEKLALEAGR FPTENYQAQS VDKFEDEAER LKTEMLLAKL NEINKELQDP</p> <p>QNLGRAPLPL LPNFESKLHS PDRSTRPYSF PESLDRSFNG QHLQDLSFLT PRGEGGSPGP</p> <p>IRSPGQIRSP APLDEFSGS YVPSFGKTLG KSNPPSQKSS LLDFQSNSSSE SPSKDSLDM</p> <p>SRKEKKATLM EQLFGPSASN TSVSSKSTDP HFPAASRGDM DPLHFLSGDR NSRVREPGDE</p> <p>EEDLFLREGR SFNPNRHRLK HASNKPTVTA VDSVDEIDEE VTLR Sequence without tag. The</p>

Product Details

proposed 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 homolog),FUNCTION: Involved in intraflagellar protein (IFT) transport in photoreceptor cilia. {ECO:0000269|PubMed:21606596}.

Molecular Weight: 80.2 kDa

UniProt: [Q80ST9](#)

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