

Datasheet for ABIN7561019
LRGUK Protein (AA 1-820) (His tag)



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Overview

Quantity:	1 mg
Target:	LRGUK
Protein Characteristics:	AA 1-820
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRGUK protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Lrguk Protein expressed in mammalian cells.
Sequence:	MAAFERNPSR WKGTRFRRGL GASRIAAQAI LSLTEKQSQG RWPSFPLGLK SKGTFRSASS YLLHQLIHRS HEAEAEQEEK QQEDGESEES EESEMQLNLED KYDGILREET VAEAITGLGW SGRGTEQVYL NLNLSHCELV DISILCGYVH LQKLNLSG NR IEDLSCVSCM PYLLELNASQ NKLTTFFNFK PPQNLKKVDF SSNLISEMYD LSAYHTLTQL ILDNNEIEEI TGLENCISLT HLSLAGNKIT TIKGLGTLPI KVL SLSNNMI ETITGLEELK ALQNLDLSHN QISSLQGLN HDLLEVINLE DNKIKELSEI EYIENLPILR VLNLLRNPIQ TKPEYFFFVI YMLLRLTELD QQKIKVEEKV FAVNKYDPPP EVVAVQDHMT HVVNSMSQPQ RIWDSTLPSL DAPYPMLILT GPAACGKREL AHLRCRQFST YFRYGACHTT RPPYFGEGER VDYHFISQEV FDEMLNMGKF ILTFNYGNHN YGLNRDTIEG IARDGLASCI HMELEGVRS L KYSYFEPRIY LVVPM DKEKY EGYLRRKGLF SRAEIEIAVS RVDLYVKVNQ KYPGYDAVI NADDMDIAYQ KLS ELIREYL GLTETA AKTL APTADTKTSY LKCEDYSRKS STVEFLDSTD RNYFTKLWAK LSSKKSPVER ESLHRQHEAA RQALMGKTPR DHTLLFQRGP VPIPTVSGQQ YFATIDELQK TFELSDDLK TPSGTYPETS

Product Details

KDSNISKRYS TYFHTCPWSK ELPFQLPEGG ISSRPGSAGS DEVDGALKAL RVASSMQEKV
AQHKRLSAIT IMDPGSNTKP TLPPIPHGRR **Sequence without tag. The 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: LRGUK

Alternative Name: Lrguk ([LRGUK Products](#))

Background: Leucine-rich repeat and guanylate kinase domain-containing protein,FUNCTION: Involved in multiple aspects of sperm assembly including acrosome attachment, shaping of the sperm head and in the early aspects of axoneme development (PubMed:25781171). Not essential for primary cilium biogenesis (PubMed:28003339). {ECO:0000269|PubMed:25781171, ECO:0000269|PubMed:28003339}.

Target Details

Molecular Weight: 93.2 kDa

UniProt: [Q9D5S7](#)

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