

Datasheet for ABIN7554350
KLHL21 Protein (AA 1-597) (His tag)



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Overview

Quantity:	1 mg
Target:	KLHL21
Protein Characteristics:	AA 1-597
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLHL21 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat KLHL21 Protein expressed in mammalien cells.
Sequence:	MERPAPLAVL PFSDBAHALS LLRGLSQLRA ERKFLDVTLE AAGGRDFPAH RAVLAAASPY FRAMFAGQLR ESRAERVRLH GVPPDMLQLL LDFSYTGRVA VSGDNAPELL RAADLLQFPA VKEACGAFLQ QQLDLANCLD MQDFAEAFSC SGLASAAQRF ILRHVGELGA EQLERLPLAR LLRYLRDDGL CVPKEEAAYQ LALRWVRADP PRRAAHWPQL LEAVRLPFVR RFYLLAHVEA EPLVARCPPC LRLLEARDF QAARYDRHDR GPCPRMRPRP STGLAEILVL VGGCDQCDE LVTVDCYNPQ TGQWRYLAEF PDHLGGGYSI VALGNDIYVT GGSDGSRLYD CVWRYNSSVN EWAIEVAPMLK AREYHSSSVL DGLLYVVAAD STERYDHTTD SWEALQPMTY PMDNCSTTAC RGRLYAIGSL AGKETMVMQC YDPDLDLWSL VDCGQLPPWS FAPKTATLNG LMYFVRDDSA EVDVYNPTRN EWDKIPSMNQ VHVGGSLAVL GGLLYVSGGY DNTFELSDVV EAYDPETRAW SVVGRLPEPT FWHGSVSIFR QFMPQTFSGG RGFELDSGSD DMDPGRPRPP RDPDELH 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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

KLHL21

Alternative Name:

KLHL21 ([KLHL21 Products](#))

Background:

Kelch-like protein 21,FUNCTION: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for efficient chromosome alignment and cytokinesis. The BCR(KLHL21) E3 ubiquitin ligase complex regulates localization of the chromosomal passenger complex (CPC) from chromosomes to the spindle midzone in anaphase and mediates the ubiquitination of AURKB. Ubiquitination of AURKB by BCR(KLHL21) E3 ubiquitin ligase complex may not lead to its degradation by the proteasome.
{ECO:0000269|PubMed:14528312, ECO:0000269|PubMed:19995937}.

Molecular Weight:

66.6 kDa

UniProt:

[Q9UJP4](#)

Pathways:

[M Phase](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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
