

Datasheet for ABIN7548863  
**KLHL18 Protein (AA 1-574) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KLHL18
Protein Characteristics:	AA 1-574
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLHL18 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant KLHL18 Protein expressed in mammalian cells.
Sequence:	MVEDGAELE DLVHFSVSEL PSRGYGMEE IRRQGLCDV TLKIGDHKFS AHRIVLAASI PYFHAMFTND MMECKQDEIV MQGMDPSALE ALINFAYNGN LAIDQQNVQS LLMGASFLQL QSIKDACCTF LRERLHPKNC LGVRQFAETM MCAVLYDAAN SFIHQHFVEV SMSEEFALP LEDVLELVSR DELNVKSEEQ VFEALAWVR YDREQRGPYL PELLNIRLP LCRPQFLSDR VQQDDLVRCC HKCRDLVDEA KDYHLMPEER PHLPAFRTRP RCCTSIAGLI YAVGGLNSAG DSLNVVEVFD PIANCWERC R P MTTARSVRG VAVVNGLLYA IGGYDQQLRL STVEAYNPET DTWTRVGSMN SKRSAMGTVV LDGQIYVCGG YDGNSSLSSV ETYSPETDKW TVVTSMSNR SAAGVTVFEG RIYVSGGHG LQIFSSVEHY NHHTATWHPA AGMLNKRCRH GAASLGSKMF VCGGYDGSGF LSIAEMYSSV ADQWCLIVPM HTRRSRVSLV ASCGRLYAVG GYDGQSNLSS VEMYDPETDC WTFMAPMACH EGGVGVGCIP LLTI <b>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</b>

## Product Details

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### 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

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Target: KLHL18

Alternative Name: KLHL18 ([KLHL18 Products](#))

Background: Kelch-like protein 18,FUNCTION: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for mitotic progression and cytokinesis (PubMed:23213400). The BCR(KLHL18) E3 ubiquitin ligase complex mediates the ubiquitination of AURKA leading to its activation at the centrosome which is required for initiating mitotic entry (PubMed:23213400). Regulates light-and dark-dependent alpha-transducin localization changes in rod photoreceptors through UNC119 ubiquitination and degradation (By similarity). Preferentially ubiquitinates the unphosphorylated form of UNC119 over the phosphorylated form (By similarity). In the presence of UNC119, under dark-adapted conditions alpha-transducin mislocalizes from the outer segment to the inner part of rod photoreceptors which leads to decreased photoreceptor damage caused by light (By similarity).

## Target Details

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{ECO:0000250|UniProtKB:E9Q4F2, ECO:0000269|PubMed:23213400}.

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Molecular Weight: 63.6 kDa

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UniProt: [O94889](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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