

Datasheet for ABIN7548926  
**KLHL15 Protein (AA 1-604) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KLHL15
Protein Characteristics:	AA 1-604
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLHL15 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat KLHL15 Protein expressed in mammalien cells.
Sequence:	MAGDVEGFCS SIHDTSVSAG FRALYEEGLL LDVTLVIEDH QFQAHKALLA TQSDYFRIMF TADMRRERDQD KIHCLKGLTAT GFSHVLQFMY YGTIELSMNT VHEILQAAMY VQLIEVVKFC CSFLLAKICL ENCAEIMRLL DDFGVNIEGV REKLDTFLLD NFVPLMSRPD FLSYLSFEKL MSYLDNDHLS RFPEIELYEA VQSWLRHRRR RWRHTDTIIQ NIRFCLMTPT SVFEKVKTSE FYRYSRQLRY EVDQALNYFQ NVHQQLLDM KSSRIRSAKP QTTVFRGMIG HSMVNSKILL LKKPRVWVEL EGPQVPLRPD CLAIVNNFVF LLGGEELGPD GEFHASSKVF RYDPRQNSWL QMADMSVPRS EFAVGVIKGF IYAVAGRTRD ETFYSTERYD ITNDKWEFVD PYPVNKYGHE GTVLNNKLF I TGGITSSSTS KQVCVFDPSK EGTIEQRTRR TQVVTNCWEN KSKMNYARCF HKMISYNGKL YVFGVCVIL RASFESQGCP STEVYNPETD QWILASMPI GRSGHGVTVL DKQIMVLGGL CYNGHYSDSI LTFDPDENKW KEDEYPRMPC KLDGLQVCNL HFPDYVLDEV RRCN

**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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

KLHL15

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### Alternative Name:

KLHL15 ([KLHL15 Products](#))

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### Background:

Kelch-like protein 15,FUNCTION: Substrate-specific adapter for CUL3 E3 ubiquitin-protein ligase complex (PubMed:27561354, PubMed:14528312, PubMed:35219381). Acts as an adapter for CUL3 to target the serine/threonine-protein phosphatase 2A (PP2A) subunit PPP2R5B for ubiquitination and subsequent proteasomal degradation, thus promoting exchange with other regulatory subunits (PubMed:23135275). Acts as an adapter for CUL3 to target the DNA-end resection factor RBBP8/CtIP for ubiquitination and subsequent proteasomal degradation (PubMed:27561354, PubMed:35219381). Through the regulation of RBBP8/CtIP protein turnover, plays a key role in DNA damage response, favoring DNA double-strand repair through error-prone non-homologous end joining (NHEJ) over error-free, RBBP8-mediated homologous recombination (HR) (PubMed:27561354, PubMed:35219381).

{ECO:0000269|PubMed:14528312, ECO:0000269|PubMed:23135275,

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## Target Details

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ECO:0000269|PubMed:27561354, ECO:0000269|PubMed:35219381}.

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Molecular Weight: 69.8 kDa

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UniProt: [Q96M94](#)

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## Application Details

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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.

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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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