

Datasheet for ABIN7548744

Kelch-Like 24 Protein (KLHL24) (AA 1-600) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Kelch-Like 24 (KLHL24)
Protein Characteristics:	AA 1-600
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kelch-Like 24 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat KLHL24 Protein expressed in mammalian cells.
Sequence:	MVLILGRRLLN REDLGVRDSP ATKRKVFEMD PKSLTGHEFF DFSSGSSHA E NILQIFNEFR DSRLFTDVII CVEGKEFPCH RAVLSACSSY FRAMFCNDHR ESREMLVEIN GILAEAMECF LQVYVTGKVK ITTENVQYLF ETSSLFQISV LRDACAKFLE EQLDPCNCLG IQRFADTHSL KTLFTKCKNF ALQTFEDVSQ HEEFLELDKD ELIDYICSDE LVIGKEEMVF EAVMRWVYRA VDLRRPLLHE LLTHVRLPLL HPNYFVQTV EVDQLIQNSPE CYQLLHEARR YHILGNEMMS PRTRPRRSTG YSEVIVVGG CERVGGFNLP YTECYDPVTG EWKSLAKLPE FTKSEYAVCA LRNDILVSGG RINSRDVWIY NSQLNIWIRV ASLNKGRWRH KMAVLLGKVY VGGYDQNR LSSVECYDSF SNRWTEVAPL KEAVSSPAVT SCVGKLFVIG GGPDDNTCSD KVQSYDPETN SWLLRAAPI AKRCITAVSL NNLIYVAGGL TKAIYCYDPV EDYWMHVQNT FSRQENCGMS VCNGKIYILG GRRENGEATD TILCYDPATS IITGVAAMPR PVSYHGCVTI HRYNEKCFKL 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:

Kelch-Like 24 (KLHL24)

Alternative Name:

KLHL24 ([KLHL24 Products](#))

Background:

Kelch-like protein 24 (Kainate receptor-interacting protein for GluR6) (KRIP6) (Protein DRE1),FUNCTION: Necessary to maintain the balance between intermediate filament stability and degradation, a process that is essential for skin integrity (PubMed:27889062). As part of the BCR(KLHL24) E3 ubiquitin ligase complex, mediates ubiquitination of KRT14 and controls its levels during keratinocytes differentiation (PubMed:27798626). Specifically reduces kainate receptor-mediated currents in hippocampal neurons, most probably by modulating channel properties (By similarity). Has a crucial role in cardiac development and function (PubMed:30715372). {ECO:0000250|UniProtKB:Q56A24, ECO:0000269|PubMed:27798626, ECO:0000269|PubMed:27889062, ECO:0000269|PubMed:30715372}.

Molecular Weight:

68.4 kDa

Target Details

UniProt: [Q6TFL4](#)

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