

Datasheet for ABIN7554367
KLHL2 Protein (AA 1-593) (His tag)



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Overview

Quantity:	1 mg
Target:	KLHL2
Protein Characteristics:	AA 1-593
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLHL2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat KLHL2 Protein expressed in mammalian cells.
Sequence:	<p>METPPLPPAC TKQGHQKPLD SKDDNTEKHC PVTVNPWHMK KAFKVMNELR SQNLLCDVTI VAEDMEISAH RVVLAACSPY FHAMFTGEMS ESKAKRVRIK EVDGWTLRML IDYVYTAEIQ VTEENVQVLL PAAGLLQLQD VKKTCCEFLE SQLHPVNCLG IRAFADMHAC TDLLNKANTY AEQHFADVVL SEEFLNLGIE QVCSLISSDK LTISSEKVF EAVIAWVNHD KDVRQEFMAR LMEHVRLPLL PREYLVQRVE EEALVKNSSA CKDYIEAMK YHLLPTEQRI LMKSVRTRLR TPMNLPKLMV VVGQAPKAI RSVECYDFKE ERWHQVAELP SRRCRAGMVY MAGLVFAVGG FNGSLRVRTV DSYDPVKDQW TSVANMRDRR STLGA AVLNG LLYAVGGFDG STGLSSVEAY NIKSNEWFHV APMNTRRSSV GVG VVGGLLY AVGGYDGASR QCLSTVECYN ATTNEWTYIA EMSTRRSAG VGLNLLYA VGGHDGPLVR KSVEVDPTT NAWRQVADMN MCRRNAGVCA VNGLLYVVG DDGSCNLASV EYYPPTTDKW TVVSSCMSTG RSYAGVTVID KPL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression</p>

system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	KLHL2
Alternative Name:	KLHL2 (KLHL2 Products)
Background:	<p>Kelch-like protein 2 (Actin-binding protein Mayven),FUNCTION: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that mediates the ubiquitination of target proteins, such as NPTXR, WNK1, WNK3 and WNK4, leading most often to their proteasomal degradation (PubMed:23838290). The BCR(KLHL2) complex catalyzes ubiquitination and degradation of NPTXR (By similarity). Responsible for degradative ubiquitination of the WNK kinases WNK1, WNK3 and WNK4 (PubMed:23838290). Plays a role in the reorganization of the actin cytoskeleton (PubMed:10397770). Promotes growth of cell projections in oligodendrocyte precursors (PubMed:15715669). {ECO:0000250 UniProtKB:Q8JZP3, ECO:0000269 PubMed:10397770, ECO:0000269 PubMed:15715669, ECO:0000269 PubMed:23838290}.</p>
Molecular Weight:	66.0 kDa

Target Details

UniProt: [O95198](#)

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