Datasheet for ABIN7554383

KLHL20 Protein (AA 1-609) (His tag)

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Overview

Quantity:	1 mg
Target:	KLHL20
Protein Characteristics:	AA 1-609
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLHL20 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KLHL20 Protein expressed in mammalian cells.
Sequence:	MEGKPMRRCT NIRPGETGMD VTSRCTLGDP NKLPEGVPQP ARMPYISDKH PRQTLEVINL LRKHRELCDV VLVVGAKKIY AHRVILSACS PYFRAMFTGE LAESRQTEVV IRDIDERAME LLIDFAYTSQ ITVEEGNVQT LLPAACLLQL AEIQEACCEF LKRQLDPSNC LGIRAFADTH SCRELLRIAD KFTQHNFQEV MESEEFMLLP ANQLIDIISS DELNVRSEEQ VFNAVMAWVK YSIQERRPQL PQVLQHVRLP LLSPKFLVGT VGSDPLIKSD EECRDLVDEA KNYLLLPQER PLMQGPRTRP RKPIRCGEVL FAVGGWCSGD AISSVERYDP QTNEWRMVAS MSKRRCGVGV SVLDDLLYAV GGHDGSSYLN SVERYDPKTN QWSSDVAPTS TCRTSVGVAV LGGFLYAVGG QDGVSCLNIV ERYDPKENKW TRVASMSTRR LGVAVAVLGG FLYAVGGSDG TSPLNTVERY NPQENRWHTI APMGTRRKHL GCAVYQDMIY AVGGRDDTTE LSSAERYNPR TNQWSPVVAM TSRRSGVGLA VVNGQLMAVG GFDGTTYLKT IEVFDPDANT WRLYGGMNYR RLGGGVGVIK MTHCESHIW **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**

Product Details

	necessary. In case you have a special request, please 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

Target:	KLHL20
Alternative Name:	KLHL20 (KLHL20 Products)
Background:	Kelch-like protein 20 (Kelch-like ECT2-interacting protein) (Kelch-like protein X),FUNCTION: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex involved in interferon response and anterograde Golgi to endosome transport. The BCR(KLHL20) E3 ubiquitin ligase complex mediates the ubiquitination of DAPK1, leading to its degradation by the proteasome, thereby acting as a negative regulator of apoptosis (PubMed:20389280). The BCR(KLHL20) E3 ubiquitin ligase complex also specifically mediates 'Lys-33'-linked ubiquitination (PubMed:24768539). Involved in anterograde Golgi to endosome transport by mediating 'Lys-33'-linked ubiquitination of CORO7, promoting interaction between CORO7 and EPS15, thereby facilitating actin polymerization and post-Golgi trafficking (PubMed:24768539). Also acts as a regulator of endothelial migration during angiogenesis by

Target Details

	controlling the activation of Rho GTPases. The BCR(KLHL20) E3 ubiquitin ligase complex acts as a regulator of neurite outgrowth by mediating ubiquitination and degradation of PDZ-RhoGEF/ARHGEF11 (PubMed:21670212). In case of tumor, the BCR(KLHL20) E3 ubiquitin ligase complex is involved in tumor hypoxia: following hypoxia, the BCR(KLHL20)complex mediates ubiquitination and degradation of PML, potentiating HIF-1 signaling and cancer progression (PubMed:21840486). {ECO:0000269|PubMed:14528312, ECO:0000269|PubMed:17395875, ECO:0000269|PubMed:20389280, ECO:0000269|PubMed:21670212, ECO:0000269|PubMed:21840486, ECO:0000269|PubMed:24768539}.
Molecular Weight:	68.0 kDa
UniProt:	Q9Y2M5

Application Details

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.
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