

Recombinant Full Length Human KLHL3 Protein, C-Flag-tagged

Cat. No. KLHL3-1136HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human KLHL3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene is ubiquitously expressed and encodes a full-length protein which has an N-terminal BTB domain followed by a BACK domain and six kelch-like repeats in the C-terminus. These kelch-like repeats promote substrate ubiquitination of bound proteins via interaction of the BTB domain with the CUL3 (cullin 3) component of a cullin-RING E3 ubiquitin ligase (CRL) complex. Mutations in this gene cause pseudohypoaldosteronism type IID (PHA2D); a rare Mendelian syndrome featuring hypertension, hyperkalaemia and metabolic acidosis. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	64.8 kDa
AA Sequence	MEGESVKLSSQTLIQAGDDEKNQRTITVNP AHMGKAFKVMNELRSKQLLCDVMIVA EDVEIEAHRVVLAA CSPYFCAMFTGDMSESKAKKIEIKDVDGQTL SKLIDYIYTAEIEV TEENVQVLLPAASLLQLMDVRQNCC DFLQSQLHPTNCLGIRAFADVHTCTDLLQQA NAYAEQHFPEVMLGEEFLSLSLDQVCSLISSDKLTVSSE EKVFEAVISWINEKETRL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EHMAKLMEHVRLPLLPRDYLVQTVEEEEALIKNNNTCKDFLIEAMKYHLLPL DQRLLIK
 NPRTKPRTPVSLPKVMIVVGGQAPKAIRSVECYDFEEDRWDQIAELPSRRCRAGVV
 FMAGHVV AVGGFNGSLRVRTVDVYDGVKDQWTSIASMQERRSTLGA AVLNDLLYA
 VGGFDGSTGLASVEAYSYKTNE WFFVAPMNTRRSSVGVGVVEGKLYAVGGYDGA
 SRQCLSTVEQYNPATNEWIYVADMSTRRSAGVGVLSG QLYATGGHDGPLVRKSV
 EVYDPGTNTWKQVADMNMCRRNAGVCAVNGLLYVVGDDGSCNLA SVEYYNPV
 TDKWTLPTNMSTGRSYAGVAVIHKS LTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

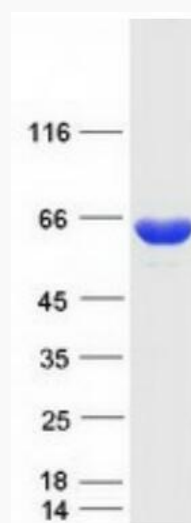
Gene Name	KLHL3 kelch like family member 3 [Homo sapiens (human)]
Official Symbol	KLHL3
Synonyms	PHA2D
Gene ID	26249

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_017415.3
Protein Refseq	NP_059111.2
MIM	605775
UniProt ID	Q9UH77



Coomassie blue staining of purified KLHL3 protein.