

Recombinant Human KLHL3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KLHL3-2011H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KLHL3 MS Standard C13 and N15-labeled recombinant protein (NP_059111) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	64.8 kDa
AA Sequence	MEGESVKLSSQTLIQAGDDEKNQRTITVNP AHMGKAFKVMNELRSKQLLCDVMIVA EDVEIEAHRVVLAA CSPYFCAMFTGDMSESKAKKIEIKDVDGQTL SKLIDYIYTAEIEV TEENVQVLLPAASLLQLMDVRQNCCDFLQSQLHPTNCLGIRAFADVHTCTDLLQQA NAYAEQHFPEVMLGEEFLSLSLDQVCSLISSDKLTVSSEKVF EAVISWINYEKETRL EHMAKLMEHVRLPLLPRDYL VQTV EEEALIKNNNTCKDFLIEAMKYHLLPLDQRLLIK

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NPRTKPRTPVSLPKVMIVVGGQAPKAIRSVECYDFEEDRWDQIAELPSRRCRAGVV
FMAGHVYAVGGFNGSLRVRTVDVYDGVKDQWTSIASMQRERRSTLGAAVLNDLLYA
VGGFDGSTGLASVEAYSYKTNEWFFVAPMNTRRSSVGVGVVEGKLYAVGGYDGAS
RQCLSTVEQYNPATNEWIYVADMSTRRSGAGVGVLSGQLYATGGHDGPLVRKSVE
VYDPGTNTWKQVADMNMCRRNAGVCAVNGLLYVVGDDGSCNLASVEYYNPVTD
KWTLLPTNMSTGRSYAGVAVIHKSLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name KLHL3 kelch like family member 3 [Homo sapiens (human)]

Official Symbol KLHL3

Synonyms KLHL3; kelch-like 3 (Drosophila); kelch (Drosophila) like 3; kelch-like protein 3; KIAA1129; PHA2D; FLJ40871; MGC44594;

Gene ID 26249

mRNA Refseq NM_017415

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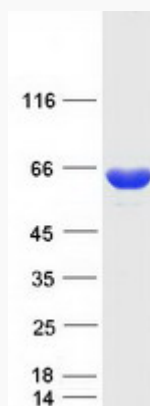
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Protein Refseq NP_059111

MIM 605775

UniProt ID Q9UH77

SDS-PAGE



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