

Product datasheet for **RC218393L4V**

KLHL3 (NM_017415) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KLHL3 (NM_017415) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KLHL3
Synonyms:	PHA2D
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_017415
ORF Size:	1761 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218393).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_017415.1
RefSeq Size:	6485 bp
RefSeq ORF:	1764 bp
Locus ID:	26249
UniProt ID:	Q9UH77
Cytogenetics:	5q31.2
Domains:	BTB, Kelch
MW:	64.8 kDa


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Gene Summary:

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. [provided by RefSeq, Mar 2012]