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Product datasheet for RC202513L2V

KEAP1 (NM_012289) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KEAP1 (NM_012289) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KEAP1
Synonyms:	INrf2; KLHL19
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_012289
ORF Size:	1872 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202513).
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_012289.3
RefSeq Size:	2577 bp
RefSeq ORF:	1875 bp
Locus ID:	9817
UniProt ID:	Q14145
Cytogenetics:	19p13.2
Domains:	BTB, Kelch
Protein Families:	Transcription Factors

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Protein Pathways: Ubiquitin mediated proteolysis

MW: 69.7 kDa

Gene Summary: This gene encodes a protein containing KELCH-1 like domains, as well as a BTB/POZ domain. Kelch-like ECH-associated protein 1 interacts with NF-E2-related factor 2 in a redox-sensitive manner and the dissociation of the proteins in the cytoplasm is followed by transportation of NF-E2-related factor 2 to the nucleus. This interaction results in the expression of the catalytic subunit of gamma-glutamylcysteine synthetase. Two alternatively spliced transcript variants encoding the same isoform have been found for this gene. [provided by RefSeq, Jul 2008]