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Product datasheet for RC206010L2V

ULK2 (NM_014683) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ULK2 (NM_014683) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ULK2
Synonyms:	ATG1B; Unc51.2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_014683
ORF Size:	3108 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206010).
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_014683.2
RefSeq Size:	9165 bp
RefSeq ORF:	3111 bp
Locus ID:	9706
UniProt ID:	Q8IYT8
Cytogenetics:	17p11.2
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

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Protein Pathways: mTOR signaling pathway, Regulation of autophagy

MW: 112.7 kDa

Gene Summary: This gene encodes a protein that is similar to a serine/threonine kinase in C. elegans which is involved in axonal elongation. The structure of this protein is similar to the C. elegans protein in that both proteins have an N-terminal kinase domain, a central proline/serine rich (PS) domain, and a C-terminal (C) domain. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Dec 2008]