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Product datasheet for RC204668L3V

MAP2K1IP1 (LAMTOR3) (NM_021970) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MAP2K1IP1 (LAMTOR3) (NM_021970) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MAP2K1IP1
Synonyms:	MAP2K1IP1; MAPBP; MAPKSP1; MP1; PRO0633; Ragulator3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_021970
ORF Size:	372 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC204668).`
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_021970.2
RefSeq Size:	4280 bp
RefSeq ORF:	375 bp
Locus ID:	8649
UniProt ID:	Q9UHA4
Cytogenetics:	4q23
Protein Families:	Druggable Genome
Protein Pathways:	MAPK signaling pathway

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MW: 13.6 kDa

Gene Summary: This gene encodes a scaffold protein that functions in the extracellular signal-regulated kinase (ERK) cascade. The protein is localized to late endosomes by the mitogen-activated protein-binding protein-interacting protein, and binds specifically to MAP kinase kinase MAP2K1/MEK1, MAP kinase MAPK3/ERK1, and MAP kinase MAPK1/ERK2. Studies of the orthologous gene in mouse indicate that it regulates late endosomal traffic and cell proliferation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 13. [provided by RefSeq, Aug 2011]