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Product datasheet for RC214358L2V

MEKK1 (MAP3K1) (NM_005921) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MEKK1 (MAP3K1) (NM_005921) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MAP3K1
Synonyms:	MAPKKK1; MEKK; MEKK 1; MEKK1; SRXY6
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005921
ORF Size:	4536 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214358).
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_005921.1
RefSeq Size:	7522 bp
RefSeq ORF:	4539 bp
Locus ID:	4214
UniProt ID:	Q13233
Cytogenetics:	5q11.2
Protein Families:	Druggable Genome, Protein Kinase

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Protein Pathways:	GnRH signaling pathway, MAPK signaling pathway, Neurotrophin signaling pathway, RIG-I-like receptor signaling pathway, Ubiquitin mediated proteolysis
MW:	164.3 kDa
Gene Summary:	The protein encoded by this gene is a serine/threonine kinase and is part of some signal transduction cascades, including the ERK and JNK kinase pathways as well as the NF-kappa-B pathway. The encoded protein is activated by autophosphorylation and requires magnesium as a cofactor in phosphorylating other proteins. This protein has E3 ligase activity conferred by a plant homeodomain (PHD) in its N-terminus and phospho-kinase activity conferred by a kinase domain in its C-terminus. [provided by RefSeq, Mar 2012]