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Product datasheet for RC219540L3V

MAP4K4 (NM_004834) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MAP4K4 (NM_004834) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MAP4K4
Synonyms:	FLH21957; HEL-S-31; HGK; MEKKK4; NIK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004834
ORF Size:	3495 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC219540).`
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_004834.4
RefSeq Size:	7334 bp
RefSeq ORF:	3498 bp
Locus ID:	9448
UniProt ID:	O95819
Cytogenetics:	2q11.2
Domains:	pkinase, CNH, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

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Protein Pathways: MAPK signaling pathway

MW: 133.4 kDa

Gene Summary: The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase has been shown to specifically activate MAPK8/JNK. The activation of MAPK8 by this kinase is found to be inhibited by the dominant-negative mutants of MAP3K7/TAK1, MAP2K4/MKK4, and MAP2K7/MKK7, which suggests that this kinase may function through the MAP3K7-MAP2K4-MAP2K7 kinase cascade, and mediate the TNF-alpha signaling pathway. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

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