Product datasheet for MR210269L3V

Mapk6 (NM_015806) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mapk6 (NM_015806) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mapk6
Synonyms:	2610021I23Rik; D130053K17Rik; Erk3; Mapk4; Mapk63; Prkm4; Prkm6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_015806
ORF Size:	2160 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210269).
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_015806.4, NP_056621.4
RefSeq Size:	4110 bp
RefSeq ORF:	2163 bp
Locus ID:	50772
UniProt ID:	Q61532
Cytogenetics:	9 42.3 cM

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Gene Summary:

Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK3/MAPK6 is phosphorylated at Ser-189 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK3/MAPK6. May promote entry in the cell cycle.[UniProtKB/Swiss-Prot Function]