

Product datasheet for **MR209124L4V**

Mapk4 (NM_172632) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mapk4 (NM_172632) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mapk4
Synonyms:	A330097D03Rik; Erk3; p63Mapk; Prkm4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172632
ORF Size:	1752 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209124).
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_172632.2 , NP_766220.2
RefSeq Size:	4660 bp
RefSeq ORF:	1752 bp
Locus ID:	225724
UniProt ID:	Q6P5G0
Cytogenetics:	18 E2



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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, ERK4/MAPK4 is phosphorylated at Ser-186 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK4/MAPK4. May promote entry in the cell cycle.[UniProtKB/Swiss-Prot Function]