

Product datasheet for RC200606L4V

OriGene Technologies, Inc.

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SAPK4 (MAPK13) (NM_002754) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: SAPK4 (MAPK13) (NM_002754) Human Tagged ORF Clone Lentiviral Particle

Symbol: MAPK13

Synonyms: MAPK-13; MAPK 13; p38delta; PRKM13; SAPK4

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_002754 **ORF Size:** 1095 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC200606).

Sequence:

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.

RefSeg: NM 002754.3, NP 002745.1

 RefSeq Size:
 6348 bp

 RefSeq ORF:
 1098 bp

 Locus ID:
 5603

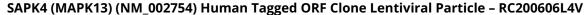
 UniProt ID:
 015264

 Cytogenetics:
 6p21.31

Domains: pkinase, TyrKc, S_TKc

Protein Families: Druggable Genome, Protein Kinase





Protein Pathways:

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Amyotrophic lateral sclerosis (ALS), Epithelial cell signaling in Helicobacter pylori infection, Fc epsilon RI signaling pathway, GnRH signaling pathway, Leukocyte transendothelial migration, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Progesterone-mediated oocyte maturation, RIG-I-like receptor signaling pathway, T cell receptor signaling pathway, Toll-like receptor signaling pathway

MW: 42.1 kDa

Gene Summary: This gene encodes a member of the mitogen-activated protein (MAP) kinase family. MAP

kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The encoded protein is a p38 MAP kinase and is activated by proinflammatory cytokines and cellular stress. Substrates of the encoded protein include the transcription factor ATF2 and the microtubule dynamics regulator stathmin. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 2012]