

Product datasheet for RN204589

Mapk9 (NM_017322) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mapk9 (NM_017322) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mapk9
Synonyms:	SAPK
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204589 representing NM_017322 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGACAGTAAAAGCGATGGCCAGTTTTACAGTGTGCAAGTGGCAGACTCAACTTTCACTGTTCTAA
AACGTTACCAGCAGTTGAAACCAATTGGCTCTGGAGCCCAAGGAATTGTTGTGCTGCTTTTGATACAGT
TCTTGGAAATAAATGTTGCTGTCAAGAAGTTAAGTCGTCCTTTTCAGAACCAAACGCATGCAAAGAGAGCC
TACCGTGAACCTTGTCTCTAAAGTGTGTCAATCATAAAAAATATAATTAGCTTGTAAATGTGTTACAC
CACAAAAACGCTAGAAGAATCCAAGATGTGTACTTGTTATGGAGTTAATGGACGCTAACTTATGTCA
GGTTATTCATATGGAGCTGGACCATGAAAGAATGTACATCCTCCTACCAGATGCTTTGTGGCATTAAAG
CACCTGCATTCAGCTGGCATAATTCATAGGGATTTGAAGCCTAGCAACATTGTAGTAAAAATCAGACTGTA
CTCTCAAGATCCTTGACTTTGGCCTGGCACGGACAGCCTGTACCAACTTTATGATGACTCCCTATGTGGT
AACTCGTACTATCGGGCTCCAGAAGTCATCCTGGGCATGGGCTACAAGGAGAATGTTGATATCTGGTCA
GTGGGTTGCATCATGGGAGAGCTGGTAAAAGTTGTGTGATATTCCAAGTACTGACCATTGATCAAT
GGAATAAAGTTATTGAACAGCTAGGAACACCATCCGCAGAGTTCATGAAGAAACTTCAGCCAAGTAAAG
GAATTATGTGAAAACAGACCAAAGTACCCTGGAATCAAATTTGAAGAGCTCTTTCCAGATTGGATATTT
CCGTCCAGAAATCCGAACGAGACAAAATAAAAAACAAGTCAAGCCAGAGATCTGTTATCGAAAATGTTAGTGA
TTGATCCGGACAAGCGGATCTCTGTGGACGAAGCCTTGCGCCACCCGTATATTACTGTTTGGTATGACCC
CGCTGAAGCAGAAGCGCCACCACCTCAAATTTATGATGCCAGTTGGAAGAAAGAGAGCATGCGATTGAA
GAGTGGAAAGAATAATTTACAAAGAAGTGTGACTGGGAAGAAAGAAGCAAGAATGGGGTAAAAGACC
AGCCTTCAGATGCAGCAGTAAGCAGCAAGGCTACTCCTTCTCAGTCGTCATCCATCAATGACATCTCATC
CATGTCCACTGAGCACACCCTGGCCTCAGACACAGACAGCAGTCTCGATGCCTCAACCGGACCCCTGGAA
GGCTGCCGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_017322
Insert Size:	1272 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_017322.2 , NP_059018.1
RefSeq Size:	3711 bp
RefSeq ORF:	1272 bp
Locus ID:	50658
UniProt ID:	P49186
Cytogenetics:	10q21
Gene Summary:	<p>The protein encoded by this gene is a member of the MAP kinase family. MAP kinases are multifunctional proteins. They are involved in a wide variety of cellular processes such as growth, proliferation, differentiation, transcription regulation, and development. They function in stress responses, apoptosis, inflammation and transformation. For example, this kinase plays a dominant role in mediating proliferation of lung cancer and prostate cancer cells, and in regulation of osmotic stress-induced tight junction disruption. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>