

Product datasheet for **SC334669**

MAPK4 (NM_001292040) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAPK4 (NM_001292040) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAPK4
Synonyms:	ERK-4; ERK4; p63-MAPK; p63MAPK; PRKM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001292040, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGAGAAGGGTGACTGCATCGCCAGTGTCTATGGGTATGACCTCGGTGGGCGCTTTGTTGACTTCC
AACCCCTGGGCTTCGGTGTCAATGGTTTGGTGCTGTCGGCCGTGGACAGCCGGGCTGCCGGAAGGTCGC
TGTGAAGAAGATTGCCCTGAGCGATGCCCGCAGCATGAAGCACGCGCTCCGAGAGATCAAGATCATTCCG
CGCCTGGACCACGACAACATCGTCAAAGTGTACGAGGTGCTCGGTCCCAAGGGCACTGACCTGCAGGGTG
AGCTGTTCAAGTTCAGCGTGGCGTACATCGTCCAGGAGTACATGGAGACCGACCTGGCACGCTGCTGGA
GCAGGGCACGCTGGCAGAAGAGCATGCCAAGCTGTTTACGTACCAGCTGCTCCGCGGGCTCAAGTACATC
CACTCCGCCAACGTGCTGCACAGGGACCTGAAGCCGCCAACATCTTCATCAGCACAGAGGACCTCGTGC
TCAAGATTGGGGATTTCCGGTTGGCAAGGATCGTTGATCAGCATTACTCCACAAGGGTTATCTGTCAGA
AGGGTTGGTAACAAAGTGGTACCGTTCCCCACGACTGCTCCTTTCCCAATAACTACACCAAAGCCATC
GACATGTGGGCCCGCGGCTGCATCCTGGCTGAGATGCTTACGGGGAGAATGCTCTTTGCTGGTACCTGT
GA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001292040
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).



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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:	<u>NM_001292040.1</u> , <u>NP_001278969.1</u>
RefSeq Size:	4375 bp
RefSeq ORF:	702 bp
Locus ID:	5596
UniProt ID:	<u>P31152</u>
Cytogenetics:	18q21.1-q21.2
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>Mitogen-activated protein kinase 4 is a member of the mitogen-activated protein kinase family. Tyrosine kinase growth factor receptors activate mitogen-activated protein kinases which then translocate into the nucleus and phosphorylate nuclear targets. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]</p> <p>Transcript Variant: This variant (3) lacks two exons in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (3) has a shorter and distinct C-terminus, compared to isoform 1.</p>