

Product datasheet for RN214231

Mapk3 (NM_017347) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mapk3 (NM_017347) Rat Untagged Clone
Tag: Tag Free
Symbol: Mapk3
Synonyms: Erk-1; ERK1; ERT2; Esrk1; MAPK1; MNK1; p44; p44erk1; p44mapk; Prkm3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214231 representing NM_017347
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGGCGGGCGGGCTCCGGGGGGGGGGGGAGCCAGGGAACTGCTGGGGTCTGCCGG
TGGTCCCCGGGGAGGTGGAGGTGGTGAAGGGGCGCCATTCGACGTGGGCCACGCTACACGCAGCTGCA
GTACATCGGGAGGGCGGTACGGCATGGTCAGCTCAGCATATGACCACGTGCGCAAGACCAGAGTGGCT
ATCAAGAAGATCAGCCCTTCGAGCATCAAACCTACTGTACGCGACGCTGAGAGAAATCCAGATCTTGC
TCGGATTCCGCCATGAGAATGTCATAGGCATCCGAGACATCCTCAGAGCACCCACCTGGAAGCCATGAG
AGATGTTTACATTGTTACGGACCTCATGGAGACGGACCTGTACAAGCTGCTAAAGAGCCAGCAGCTGAGC
AATGACCACATCTGCTACTTCTCTACCAGATCCTCCGGGGCCTCAAGTACATACTCGGCCAATGTGC
TGCACCGGGACCTGAAGCCCTCCAATCTGCTTATCAACACCACCTGCGACCTTAAGATCTGTGATTTTGG
CCTTGCCCGGATTGCTGACCCTGAGCACGACCACACTGGCTTTCTGACCGAGTATGTGGCCACACGCTGG
TACCGAGCCCCAGAGATCATGCTTAACTCCAAGGGCTACACCAAATCCATTGACATCTGGTCTGTGGGCT
GCATTCTGGCTGAGATGCTCTCCAACCGCCATCTTCCCGGCAAGCACTACCTGGACGCTCAACCA
CATTCTAGGTATACTGGGTTCCCATCCCAAGAGGACCTAAATTGTATCATTAAACATGAAGGCCCGAAAC
TACCTACAGTCTCTGCCCTCTAAAACCAAGGTGGCTTGGGCAAGCTTTTTCCCAAATCTGACTCCAAAG
CTCTTGACCTGCTGGACCGGATGTTAACCTTTAACCCAAACAAGCGCATCACAGTAGAGGAAGCACTGGC
TCACCCTTACCTGGAACAGTACTATGATCCGACAGATGAACCAAGTGGCTGAGGAGCCATTACCTTTGAC
ATGGAGCTGGATGATCTCCCAAGGAGCGGCTGAAGGAGCTGATCTTCCAAGAGACAGCCCGCTCCAGC
CAGGGGCACCAGAGGCCCTTAA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



ACCN:	NM_017347
Insert Size:	1143 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:	<u>NM_017347.2</u> , <u>NP_059043.1</u>
RefSeq Size:	1875 bp
RefSeq ORF:	1143 bp
Locus ID:	50689
UniProt ID:	<u>P21708</u>
Cytogenetics:	1q36
Gene Summary:	kinase involved in intracellular signalling; component of Mapk signalling pathway [RGD, Feb 2006]