

Product datasheet for **RN209266**

Mapk6 (NM_031622) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mapk6 (NM_031622) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mapk6
Synonyms:	ERK3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209266 representing NM_031622
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGAGAAATTTGAAAGTCTCATGAACATTATGGCTTTGATCTGGTTCCAGGTACATGGACTTAA
 AACCATTTGGGCTGTGGAGCAATGGCTTGGTTTTTCTGCTGTAGACAATGACTGTGACAAAAGAGTAGC
 CATCAAGAAAATTGTCCTCACCGATCCCCAGAGTGTCAAACATGCCCTCCGTGAAATCAAAATTATTAGA
 AGACTTGACCACGATAACATTGTGAAAGTGTGAAATTTCTGGTCCCAGTGGAAGCCAGCTGACAGACG
 ATGTGGGCTCTAACAGAGCTGAATAGCGTCTACATTGTTCCAGGAGTACATGGAGACAGACTTGGCGAA
 CGTGCTGGAGCAGGGCCCTTTACTGGAGGAGCATGCCAGGCTCTCATGTACCAGCTGCTGCGTGGGCTC
 AAGTACATCCACTCTGCAAACGTGCTGCACAGGGATCTCAAGCCGGCCAACTTTTCATTAACACTGAAG
 ACTTGGTCTGAAGATTGGTACTTTGGCTGGCCGGATCATGGATCCTCATTATCCCATAAGGGTCA
 TCTTTCTGAAGGATTGGTTACCAAATGGTACAGATCTCCACGGCTTTACTTTCTCCTAATAACTATACT
 AAAGCCATTGACATGTGGGCTGCAGGCTGCATCTTTGCTGAAATGCTGACTGGTAAAACCTCTTTGCGAG
 GTGCACATGAACCTGAACAGATGCAGCTGATCTTGGAGTCTATCCCTGTTGTGCACGAGGAAGATCGGCA
 GGAGCTTCTCAGCGTGATTCCAGTTTACATTAGAAAACGACATGACTGAGCCACACAAAACCGCTGACTCAG
 CTGCTTCCGGGATAGTCGGGAAGCACTGGATTTCTGGAACAGATTCTGACGTTCCAGTCCCATGGACC
 GGCTGACAGCCGAGGAAGCACTTTCCATCCTTACATGAGCATCTACTCTTTCCCAACGGACGAGCCTAT
 TTCCAGCCATCCTTTCCACATAGAAGACGAAGTGGACGACATTTTGCTAATGGATGAAACACACAGTCAC
 ATTTATAACTGGGAAAGTACCACGATTGTCAGTTCTCGGAGCATGACTGGCCTATTATAACAACCTTTG
 ATATCGATGAGGTTGAGTTGACCCGAGAGCTCTGTCTGATGTCACCGATGAAGAAGAAGTTCAAGTTGA
 TCCTCGAAAAGTACTTGGATGGAGACCGAGAGAAGTATCTGGAGGATCCCGCCTTCGACACCAGCTACTCT
 GCTGAGCCTTGCTGGCAGTACCCAGATCACACGAGAACAAGTACTGTGATCTGGAGTGTAGCCACACCT
 GTAACACAAAACAAGTTCGCCATCATACTTAGATAAACCTGGTGTGGAGGGAGAGCGAGGTTAACCATTA
 CTATGAGCCCAAGCTTATTATAGATCTTTCCAAGTGGAAAGAGCAAAGTAAAGACAAATCCGACAAGAGA
 GGCAAGTCCAAGTGTGAGAGGAACGGGTTGGTCAAGGCGCAGATTGCGCTTGAGGAAGCGTCCCAGCAGC
 TGGCTGAGAGGGAGAGGGCCAAGGCTTTGACTTTGATGCCTTCATCGCAGGCACCGTTCAGCTCAGTGC
 CCAGCGTGAAGTCTGCTGACGTAGTTGACAAGTTAAACGACTTGAATAGCTCAGTGTCCAGCTAGAAATG
 AAAAGCCTGATATCCAAGTCAGTCAGCCGAGAAAAGCAAGAAAAGGGAAGGGCTAACCTGGCCAGCTGG
 GAGCCTTGATACCAGCCCTCCTGGGAGAGCCAGTTTGTGAGTGGCGGGGAGGAGTGCCTTATCAGTCA
 GTTTTGTTGTGAGGTGAGGAAGGACGAACAGTGGAGAAGGAGAACAATTACACCAGCTATTTGGACAAG
 TTTTTTAGCAGGAAGGAGGATTCTGAAATGCTAGAAAAGTGGCCAGTGGAAAGGGAAGCGTGGGGAGA
 GAGGCCGTGAGGCAGGGCTTCTGAGCAGCGGTGGGGAGTTTCTCCTGAGCAGGCAGCTAGAGTCCATAGG
 CACCCCGCAGTTCACAGTCCAGGGGATCCCCACTCAAGTCCATCCAGGCCACGTTAACACCTTCCGCT
 ATGAAATCTTCCCTCAAATCCCTCACAAAGACATACAGCAACATTCTGAAACATCTGAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031622
Insert Size: 2163 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_031622.2</u> , <u>NP_113810.2</u>
RefSeq Size:	4194 bp
RefSeq ORF:	2163 bp
Locus ID:	58840
UniProt ID:	<u>P27704</u>
Cytogenetics:	8q24
Gene Summary:	kinase that is activated following insulin and Ngf treatment [RGD, Feb 2006]