

Product datasheet for **RR201486**

Mapk15 (NM_173331) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mapk15 (NM_173331) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mapk15
Synonyms:	Erk7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201486 representing NM_173331
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGTGCTGCCGAGGTGGACCGTCATGTATCCCAGAGATACCTGATCAAGCGGAGGCTTGGGAAGGGG
 CCTACGGCATTGTATGGAAGGCCATGGACCGGAGGACTGGTGAGGTAGTGCCATCAAGAAAATCTTTGA
 TGCCCTTATAGGACCAGACAGATGCTCAGAGGACCTCCCGTGAATCATGCTTCTCCGGGAGTTTGGGGC
 CATCCCAACATCATCCGCTGCTTGATGTAATCCCAGCAAAGAATGACAGGGATATTTACCTGGTGTG
 AGTCCATGGACACCGACCTGAACCGGTCATCCAGAAGGGCAGACTGTTGGAGGACATCCACAAACGTTG
 CATCTTTTACCAGCTCCTGAGAGCCACCAAGTTTATCCATTACGGGCGGTCATTACCGGGACCAGAAG
 CCAGCCAAAGTTCTATTGGATGCTGCTTCCGGGTGAAACTATGTGACTTTGGCTGGCACGCTCCCTCA
 GTGACTTCCCTGAAGGGCTGGGGCCAGGCCCTGACAGAATATGTGGCCACACGCTGGTACCGAGCTCC
 AGAGGTGCTTCTGTCTTCCCGATGGTATACCCCTGGGGTGGACATGTGGAGCCTGGGCTGCATACTGGG
 GAGATGCTTCGAGGGCAGCCACTGTTTCCGGGTACATCTACTTTCCACCAGCTGGAGCTGATCCTGGAGA
 CCATTCCATTGCCCTCCATGGAGGAGCTCCAGGGCCTTGATCAGACTACAGTGCTTTGATTCTGCAGAA
 TCTTGGATCCAGGCCACGGCAGACGCTGGACGCCCTCCTGCCCCAGACACCCCCCAGAAGCCCTGGAC
 CTCCTCAAGCGACTCTTGGCATTGCTCCGGACAAACGGCTTAGTGACAGCAGGCTCTTCAACACCCTT
 ACGTGCAGAGATTCCATTGCCCCGACCGGAGTGGACACGGGGTCCGATGTGCGGCTCCCGGTACACGA
 AGGAGACCAGCTCTTGCACCAGAGTATCGCAACCGCCTGTACCAGATGATCCTGGAGCGGAGACGGAAC
 AGCCGACGCCCTCGAGAGGAAGACTTGGGGTGTGGCCTCGCGGCAGAGCTCAGGGCTTCCAGAGGC
 AATCGCTCAAGCCCGAGTCTCCCCAGGTCTTGGCGGAGACGCTGCGCGGAAACCGGACCCAAAC
 TCAGAATGGCCATGGTACAGATCCCGAGCATGTGGAAGTTCGACGGCAGAGTTACAGACCCCTGTACCAA
 CTTCCGCCCCAGGCAGCGGGGAAAGGCCCCAGGGGCCACAGGGAGCCACCCTCCGCACCCTCAGGGG
 TGAAGACTCACGTTAGGGCGGTGGCGCCCTCCCTGACTTACAGGCCCGGCTCAGGCGGCAATCAGCC
 TCTGATCCGCAGTGATCCGGCCCGGGCGGTGGGCCAAGGGCTGTGCGCGCGGACGGGTCCCTTCCCGC
 CTGCCCGGGAGGCCCGGAACCCGACCCGGCCGAAGGATGTTTGGCATCTCGGTCTCGCAGGGGGCCC
 AGGGTGCAGCCAGAGCTGCTTGGCGGCTACTCCAGGCCTACGGGACCGTGTGCCGCTCCGGCTGGG
 CCGCTGCCTCTGCTCCCGGACCGGTGCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201486 representing NM_173331
 Red=Cloning site Green=Tags(s)

MCAAEVDRHVSQRYLIKRRLLGKGAYGIVWKAMDRRTGEVVAIKKIFDAFRDQTDQRTFREIMLLREFGG
 HPNIIRLLDVIPAKNDRDIYLVFESMDTDLNAVIQKGRILLEDIIHKRCIFYQLLRATKFIHSGRVIHRDQK
 PANVLLDAACRVKLCDFGLARSLDFPEGPGGQALTEYVATRWYRAPEVLLSSRWYTPGVDMMWSLGCILG
 EMLRGQPLFPSTFHQLELILETIPLPSMEELQGLGSDYSALILQNLGSRPRQTLDALLPPDTPPEALD
 LLKRLLAFAFDKRLSAEQALQHPYVQRFHCPDREWTRGSDVRLPVHEGDQLSAPEYRNRLYQMILERRRN
 SRSPREEDLGVVASRAELRASQRQSLKPGVLPQVLAETPARKRGPKNQNGHGHDPHEHVEVRRQSSDPLYQ
 LPPPGSGERPPGATGEPPSAPSGVKTHVRAVAPSLTSQAAAQAANQPLIRSDPARGGGPRAVGARRVPSR
 LPREAPEPRPGRMFGISVSQGAQAARAALGGYSQAYGTVCRSALGRLPLLPGPRA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

ACCN:	NM_173331
ORF Size:	1641 bp
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.
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_173331.2 , NP_775453.1
RefSeq Size:	1888 bp
RefSeq ORF:	1644 bp
Locus ID:	286997
UniProt ID:	Q9Z2A6
Cytogenetics:	7q34
MW:	60.7 kDa
Gene Summary:	activity; localization, and function is regulated by the C-terminal tail [RGD, Feb 2006]