

Product datasheet for **RN216750**

Mapkapk5 (NM_001164043) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mapkapk5 (NM_001164043) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mapkapk5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216750 representing NM_001164043
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGAGGATAGCAACATGGAGAAAGCCATCAAGGAGACCTCCATTTTAGAAGAATATAGTATCAATT
 GGACTCAGAAACTGGGAGCTGGAATTAGTGGTCCGGTTAGAGTCTGTGTAAGAAATCTACTCAAGAACG
 GTTTGCACTGAAAATTCTTCTCGATCGTCCAAAAGCTAGAAATGAGGTGCGCCTGCACATGATGTGTGCC
 ACACACTCCAACATAGTTGAGATTATTGAAGTGTTTGCTAACAGTGTACAGTTCCCTCATGAGTCCAGCC
 CCAGGGCTCGACTCTTAATTGTAATGGAGATGATGGAAGGGGGGAGCTGTTTCACAGAATCAGCCAGCA
 CCGGCACCTTACAGAGAAGCAAGCCAGCCAAGTAAACAAAGCAGATAGCCCTGGCTCTACAGCACTGTCAC
 TTGCTAAACATTGCGCACAGAGACCTCAAGCCTGAAAATCTGCTTTTCAAGGATAACTCTTTGGACGCC
 CTGTGAAGTTATGTGACTTTGGGTTTGTAAAGTTGACCAAGGTGATTTGATGACGCCCCAGTTACCCC
 TTAATGTAGCACCTCAGGTACTGGAAGCACAGAGAAGGCACCAGAAGGAGAAGTCTGGCCTCATCCCT
 ACCTCGCCAACGCCCTACACTTACAACAAGAGCTGTGACTTGTGGTCCCTCGGGGTGATAATTTATGTGA
 TGCTATGCGGATACCCCTCTTTTACTCCAACACCACAGTCGGACCATCCCAAAGGACATGCGGAAAAA
 GATCATGACAGGGAGTTTGTAGTTCGGGAGGAAGAGTGGAGCCAGATCTCAGAGATGGCCAAAGACGTG
 GTGAGGAAGCTTCTAAAGGTCAAACAGAGGAAAGACTCACAATCGAGGGGGTGTGGACCATCCCTGGC
 TCAACTCGACAGAGGCCCTGGATAATGTGCTACCCTCTGCTCAGCTGATGATGGATAAGGCAGTGGTTGC
 AGGGATCCAGCAGGCTCATGCCGAGCAGCTGGCAAACATGAGGATCCAGGACCTCAAAGTCAGCCTCAA
 CCCCTGCACTCTGTGAACAACCCATTCTGAGGAAGAGGAAGCTACTGGGCTCCAAGCCAAAGGATGGTG
 TTTATATCCACGACCATGAGAATGGAGTCGAGGATTCAAATGTTGCCTTGAAAAGCTTCGCGATGTCAT
 TGCCCAGTGCATCCTTCCCAGGCTGGTAAAGGAGAGAATGAAGATGAGAAGCTCAATGAGGTAATGCAG
 GAGGCCTGGAAGTACAACCGGGAGTGCAAACCTCTGCGGGACGCGCTGCAGAGTTTTAGCTGGAATGGTC
 GTGGATTCACAGATAAAGTGGACCGATTAAGCTGGCAGAGGTTGTGAAGCAGGTGATCGAAGAGCAGAC
 CCTTCCCACGAGCCCCAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001164043
- Insert Size:** 1422 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:

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_001164043.1](#), [NP_001157515.1](#)

RefSeq Size: 1699 bp

RefSeq ORF: 1422 bp

Locus ID: 498183

Cytogenetics: 12q16