

## Product datasheet for **RR209242**

### Dusp4 (NM\_022199) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dusp4 (NM\_022199) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dusp4  
**Synonyms:** Mkp-2; Mkp2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209242 representing NM\_022199  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTGACGATGGAGGAAGTGCAGGAGATGGACTGCAGCGTGCTCAAAGGCTGATGAACCGAGATGAGA  
 ACGGCGGCACGGCGGCAGCAGCGCGGCAGCCACGGCGCCCTGGGGCTGCTGAGCGCGCAAGTGCTT  
 GCTGCTGGACTGCAGGCCGTTTCTGGCTCACAGCGCGGGCTACATCCGAGGCTCGGTGAAGTGCCTGC  
 AATACCATCGTGCAGCGGAGGGCCAAGGGCTCCGTGAGCCTGGAGCAGATTCTGCCCGCCGAGGAAGAGG  
 TGCAGCGCCCGCTGCGCTCTGGCTCTACTCGGCTGTCATCGTCTACGATGAGCGCAGCCCGCGCCCGA  
 GAGTCTCCGGGAGGACAGCACAGTGTGCGTGGTTCGTGTCAGGCGTTGCGCCGGAACCGGAGCGCACAGAC  
 ATCTGCCTGCTTAAAGGTGGCTATGAGAGGTTTCTTCTGAGTACCCAGAATTCTGCTCTAAAATAAGG  
 CCCTGGCCGCCATCCCACCCCGTACCTCCAGCACAATGAGTCCCTGGATCTGGGCTGCAGCTCCTG  
 TGGACCCCACTGCACGACCAGGGGGTCTGTGGAGATCCTTCTTCTACCTCGGCAGTGCCTAC  
 CACGCTGCCCGCAGGGACATGCTTGATGCCCTGGGATCACGGCTCTACTGAATGTCTCCTCAGATGCC  
 CCAATCACTTTGAGGGACATTACAGTACAAGTGCATCCCGGTAGAAGATAACCACAAGGCTGACATCAG  
 CTCTGTTTATGGAAGCCATCGAATACATAGACGAGTGAAGGACTGCCGAGGGCGAGTCTGGTTCAC  
 TGCCAGGCGGCATCTCTAGATCAGCCACCATCTGCCTGGCTACCTGATGATGAAGAAACGGGTGAGGC  
 TGGAGGAGGCTTTCGAGTTCGTCAAGCAGCGCCGTAGCATCATCTCGCCAACTCAGCTTCATGGGCCA  
 GTTGCTGCAGTTCGAGTCTCAGGTGCTCACCACGTCTGCGCAGCGGAGGCCCGCCAGCCCTCCGGGCC  
 CTGCGGGAGAGGGGAAGGCCACTCCCACCCACCTCGCAGTTCGTCTCAGCTTCCCCGTGCTCCGTGG  
 GTGTGCACGCGGCTCCAGTAACCTGCCGTACCTGCACAGCCCCATCACCACTCCCCAGCTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209242 representing NM\_022199  
 Red=Cloning site Green=Tags(s)

MVTMEELREMDCSVLKRLMNRDENGGTAGSSGGSHGALGLLGGKCLLLDCRPFLAHSAGYIRGSVNVRC  
 NTIVRRRAKGSVLSLEQILPAEEEEVRARLRSLYSATIVYDERSPRAESLREDSTVSLVVQALRRNAERTD  
 ICLLKGGYERFSSEYPEFCSKTKALAAIPPPVPPSTNESLDLGCSSCGTPLHDQGGPVEILPFLYLGSA  
 HAARRDMLDALGITALLNVSSDCPNHFEGHYQKCIPIVEDNHKADISSWFMEAIEYIDAVKDCRGRVLVH  
 CQAGISRSATICLAYLMMKRRVRLLEEAFVVKQRRSII SPNFSFMQQLLQFESQVLTTSCAAEEAASPSGP  
 LRERKATPTPTSQFVFSFPVSVGVHAAPS NLPYLHSPITTSPSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

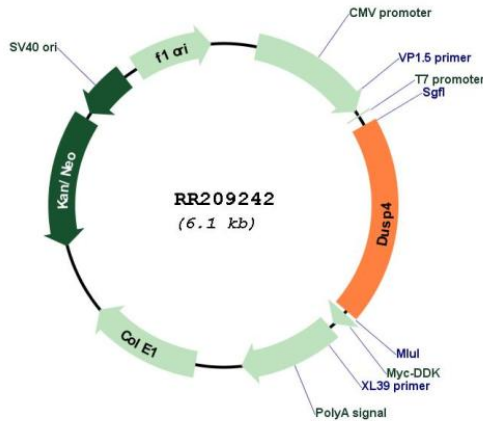
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_022199

<b>ORF Size:</b>	1185 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_022199.1</a> , <a href="#">NP_071535.1</a>
<b>RefSeq Size:</b>	1188 bp
<b>RefSeq ORF:</b>	1188 bp
<b>Locus ID:</b>	60587
<b>UniProt ID:</b>	<a href="#">Q62767</a>
<b>Cytogenetics:</b>	16q12.2
<b>MW:</b>	43.2 kDa
<b>Gene Summary:</b>	exhibits vanadate-sensitive phosphatase activity for MAP kinase; inhibits transcription of MAP kinase-dependent genes [RGD, Feb 2006]