

## Product datasheet for **RR216622**

### Dusp7 (NM\_001100547) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dusp7 (NM\_001100547) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dusp7  
**Synonyms:** mkp-X  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216622 representing NM\_001100547  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAAAACCAGCTCCGCGGGCCCCAGTGC GGCGCACATGTCGACTTCGGGGCGCGCGCGCTGGGG  
GCACCCGGGCGGGTTCGGAGCCCGGTGCGGGATCTGGGTCCAGCGCAGGCATCGGAGCTGGAGCGACGAC  
GGGAGCGGGGCCATGCCCTGCAAGAGCGCCGAGTGGCTGCAGGAGGAGCTGGAGCGCGCGGTGGCGCG  
TCCTGTCTGCTGGATTGCCGCGCCGACGAGCTCTTCGAATCGTCGCACATTGAGACGGCCATCAACC  
TGCCATCCC GGGTCTCATGCTGCGCCGCTGCGCAAAGGCAACCTGCCATCCGCTCCATCATTCCCAA  
CCATGCCGACAAGGAGCGCTTCGCCACGCGCTGCAAGGCGGCCACCGTGCTGCTTACGACGAGGCCACG  
GCTGAGTGGCAGCCCGAGCCCGCGCCCGCCTCGGTTCTCGGCTGCTCCTGCAGAAGCTGCGAGACG  
ACGGCTGCCAGGCCTACTACCTCCAAGGTGTTTCAACAAGTTCAGACGGAATACTCAGAGCATTGTGA  
GACTAATGTGGACAGCTCGTCTCCCGAGTGGCTCGCCGCCACCTCCGTGCTGGGCTTGGGGGCGCTG  
CGCATCAGCTCTGACTGCTCAGATGGAGAGTCAGACCGGGAGCTGCCAGCAGTGCCATCAGTCCGATG  
GCAGCCCTGTGCCATCCAGCCAGCCAGCCTTCCGGTCCAGATCCTGCCACCTACCTACCTCGGCTGTGC  
CAAGGACTCTACCAACCTGGATGTA CTGGCAAGTACGGCATCAAATATATCCTCAATGTACACCCAAAC  
CTGCCAATGCCTTTGAGCACGGTGGTGTGAGTTCACCTACAAGCAAATCCCATCTCTGACCACTGGAGCC  
AGAACCTCTCTCAGTTCTTCCCGAGGCCATCAGCTTCATTGATGAAGCCGCTCCAAGAAGTGGGTGT  
CTTGGTGCAGTCTTAGCAGGCATCAGCCGTTCACTGACCGTTACCGTAGCCTACCTGATGCAGAAGATG  
AACCTGTCCCTCAACGACGCCTACGACTTCGTTAAGAGGAAAAAGTCTAACATCTCACCCAACTTCAACT  
TCATGGGCGAGCTGCTGGACTTTGAGCGGACGCTGGGCTCAGCAGCCCGTGGCACAACCCACACCCAG  
TGAACAGCTCTACTTCTCCACACCCACCAACCATAACCTGTTCCGATCAACACGCTCGAGTCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216622 representing NM\_001100547  
 Red=Cloning site Green=Tags(s)

MKNQLRGPPVRAHMSTSGAAAAGGTRAGSEPGAGSGSSAGIGAGATTGAGAMPCKSAEWLQEELEARGGA  
 SLLLLDCRPHLFESSHETAINLAIPGLMLRRLRKGNLPIRSIIPNHADKERFATRCKAATVLLYDEAT  
 AEWQPEPGAPASVLLGLLQKLRDDGCQAYYLQGGFNKFQTEYSEHCETNVDSSSSPSGSPPTSVLGLGGL  
 RISSDCSDGESDRELPSATESDGSPPVSSQPAFPVQILPYLYLGCARDSTNLDVLLGKYGIKYLNVTPN  
 LPNAFEHGGFTYKQIPISDHWSQNLSSQFFPEAISFIDEARSKKCGVLVHCLAGISRSVTVVAYLMQKM  
 NLSLNDAYDFVKRKKSNISPNFNFMGQLLDFERTLGLSSPCDNHTPSEQLYFSTPTNHNLFPIINTLEST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

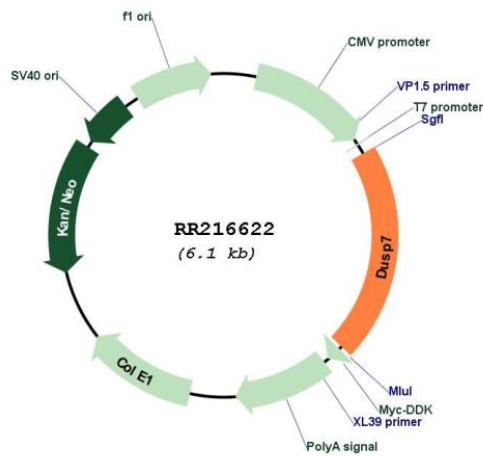
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001100547

<b>ORF Size:</b>	1257 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_001100547.1</a> , <a href="#">NP_001094017.1</a>
<b>RefSeq Size:</b>	3125 bp
<b>RefSeq ORF:</b>	1260 bp
<b>Locus ID:</b>	300980
<b>UniProt ID:</b>	<a href="#">Q63340</a>
<b>Cytogenetics:</b>	8q32
<b>MW:</b>	45.1 kDa
<b>Gene Summary:</b>	protein phosphatase; suppresses MAP kinase activation state [RGD, Feb 2006]