

## Product datasheet for RN216622

### Dusp7 (NM\_001100547) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp7 (NM_001100547) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dusp7
Synonyms:	mkp-X
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN216622 representing NM_001100547 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAAAACCAGCTCCGCGGGCCCCAGTGC GGCGCACATGTCGACTTCGGGGCGCGCGGCTGGGG  
GCACCCGGGCGGGTTCGGAGCCCGTGC GGATCTGGGTCCAGCGCAGGCATCGGAGCTGGAGCGACGAC  
GGGAGCGGGGCCATGCCCTGCAAGAGCGCCGAGTGGCTGCAGGAGGAGCTGGAGCGCGCGGTGGCGCG  
TCCTGTCTGTGCTGGATTGCCGCGCCGACGAGCTCTTCGAATCGTCGCACATTGAGACGGCCATCAACC  
TGGCCATCCC GGGTCTCATGCTGCGCCGCTGCGCAAAGGCAACCTGCCATCCGCTCCATCATTCCCAA  
CCATGCCGACAAGGAGCGCTTCGCCACGCGCTGCAAGGCGGCCACCGTGTCTTTACGACGAGGCCACG  
GCTGAGTGGCAGCCCGAGCCCGCGCCCGCCTCGGTTCTCGGCTGTCTCTGCAGAAGCTGCGAGACG  
ACGGCTGCCAGGCCTACTACCTCCAAGTGGTTTCAACAAGTTCAGACGGAATACTCAGAGCATTGTGA  
GACTAATGTGGACAGCTCGTCTCCCGAGTGGCTCGCCGCCACCTCCGTGTGGGCTTGGGGGCGCTG  
CGCATCAGCTCTGACTGCTCAGATGGAGAGTCAGACCGGGAGCTGCCAGCAGTGCCACTGAGTCGGATG  
GCAGCCCTGTGCCATCCAGCCAGCCAGCCTTTCCGGTCCAGATCCTGCCCTACCTACCTCGGCTGTGC  
CAAGGACTCTACCAACCTGGATGTA CTGGCAAGTACGGCATCAAATATATCCTCAATGTACACCCAAC  
CTGCCAATGCCTTTGAGCACGGTGGTGTGAGTTCACCTACAAGCAAATCCCATCTCTGACCACTGGAGCC  
AGAACCTCTCTCAGTTCTTCCCGAGGCCATCAGCTTCATTGATGAAGCCGCTCCAAGAAGTGGGTGT  
CTTGGTGCAGTCTTAGCAGGCATCAGCCGTTCACTGACCGTTACCGTAGCCTACCTGATGCAGAAGATG  
AACCTGTCCCTCAACGACGCTACGACTTCGTTAAGAGGAAAAAGTCTAACATCTCACCCAACTTCAACT  
TCATGGGGCAGCTGCTGGACTTTGAGCGGACGCTGGGCTCAGCAGCCCGTGC GACAACCACACCCAG  
TGAACAGCTCTACTTCTCCACACCCACCAACCATAACCTGTTTCCGATCAACACGCTCGAGTCCACG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001100547
<b>Insert Size:</b>	1260 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001100547.1</a></u> , <u><a href="#">NP_001094017.1</a></u>
<b>RefSeq Size:</b>	3125 bp
<b>RefSeq ORF:</b>	1260 bp
<b>Locus ID:</b>	300980
<b>UniProt ID:</b>	<u><a href="#">Q63340</a></u>
<b>Cytogenetics:</b>	8q32
<b>Gene Summary:</b>	protein phosphatase; suppresses MAP kinase activation state [RGD, Feb 2006]