

## Product datasheet for **RR201242**

### Dusp10 (NM\_001105734) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp10 (NM_001105734) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dusp10
Synonyms:	Mkp-5; Mkp5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR201242 representing NM\_001105734  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCTCCGTCGCCCTTTAGACGACAGGGTAGTAGTACTGTCTAGGCCTGTCCGACCTCAGGATCTCA  
 ACCTTTGTTTAGACTCCAGCTACCTGGGCTCTGCCAGCCAGGCAGCAATAACCACACTCCTGTCATTGC  
 CACAGCCGTCGTGACCCTCAAGGCTGCGAATCTGACGTATATGCCCTCATCCAGCGGCTCTGCCCGTCC  
 CTGAATTGCGGATGCAGCAGCACTAGCTGCTGCACTGTGGCAACCTACGACAAGGATCATCAGGCCCAGA  
 CTCAAGCCATCGCTGCAGGCACTGCCACCCTGCCATAGGAACCTCGACCACCTGCCCTGCTAACAGAT  
 GGTCAACAACAATGAAAATATAGGCTCTTTAAGTCCATCGGGCGGGTGGGCAGCCCCGTGTGAGGGACT  
 CCCAAGCAGCTAGCCAGCATCAAATCATCTACCCCAATGACCTGGCGAAGAAGATGACCAATGCAGCA  
 AGAGTCACCTGCCAGCCAGGGTCTGTATCATTGACTGCAGGCCTTTCATGGAGTACAACAAGAGTCA  
 CATCCAAGGAGCTGTCCACATTAAGTGTGAGATAAGATCAGCCGCGGAGGCTGCAACAGGGCAAGATC  
 ACTGTCTTAGACTTGATTTCTGTAGAGAAGGCAAGACTCTTTCAAGAGGATTTTTTCCAAAGAAATCA  
 TAGTTTATGATGAGAATACCAATGAGCCGAGCCGTGTGACGCCATCCCAACCCTCACATAGTTCTCGA  
 GTCCCTGAAGAGAGAAGGCAAAGAACCCCTGGTATTGAAAGGGGGACTCAGTAGTTTTAAACAGAACCAT  
 GGAAACCTCTGTGACAACTCCCTCCAGCTCCAAGAGTCCCGGGAGGTGGGGGGTGGTGCCTCTGCGGCT  
 CGAGCGTGCTACCTCAGTCTGTCCCTCCACCCCTGACATCGAGAGCGCAGAGCTGACACCCATCCTGCC  
 CTTCTGTTTCTTGCAATGAGCAGGATGCTCAGGACCTAGACGCCATGCAGAGGCTCAATGTGCGCTAT  
 GTCATCAACGTCACCACACACCTTCTCTACCACTATGAGAAAGGCCTTTCAACTACAAGAGGCTGC  
 CAGCCACAGACAGCAACAAGCAGAACTGCGGCAGTACTTTGAAGAGGCATTGCAATTCATTGAGGAAGC  
 TCATCAGTGTGGGAAGGGCCTTCTCATCACTGCCAGGCCGCGTGTCCGTTCTGCCACCATTTGTCATC  
 GCCTACCTGATGAAGCACACCGGATGACCATGACTGACGCTTACAAATTCGTCAAAGGCAACGACCAA  
 TTATCTCCCCGAACCTCAACTTCATGGGCAGTTGCTGGAATTTGAGGAAGACCTAAACAATGGCGTGAC  
 ACCACGGATCCTTACACCAAAGCTGATGGGCATGGAGACAGTTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201242 representing NM\_001105734  
 Red=Cloning site Green=Tags(s)

MPPSPLDDRIVVALSRPVRPQDLNLCCLDSSYLGSASPGSNHTPVIATAVVTLKAANLTYMPSSSGSARS  
 LNCGCSSTSCCTVATYDKDHAQTQAIAAGTATTAIGTSTTCPANQMVNNENIGSLSPSGGVGSPVSGT  
 PKQLASIKIIPNDLAKKMTKCSKSHLPSQGPVIIDCRPFMEYKSHIQGAVHINCADKISRRLQQGKI  
 TVLDLISCREGKDSFKRIFSKEIIYVDENTNEPSRVTPSQPLHIVLESLKREGKEPLVLKGGSSFKQNH  
 GNLCDNSLQLQECREVGGSASAASSVLPQSVSTPDIESAELTPILPFLFLGNEQDAQDLAMQRLNVGY  
 VINVTTHLPLHYEKGLFNYKRLPATDSNKQNLRYFEEAFEFIEEAHQCGKGLLIHCQAGVSRSATIVI  
 AYLMKHTRMTMDAYKFKGKRPIISPMLNFMGQLLEFEEDLNNGVTPRILTPKLMGMETVV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

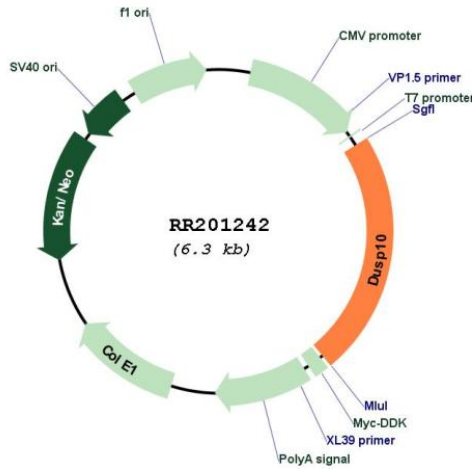
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001105734

ORF Size: 1446 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:**

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\\_001105734.1](#), [NP\\_001099204.1](#)

**RefSeq Size:** 2704 bp

**RefSeq ORF:** 1449 bp

**Locus ID:** 63995

**Cytogenetics:** 13q26

**MW:** 52.4 kDa