

## Product datasheet for **RR212677**

### Dusp16 (NM\_001106624) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp16 (NM_001106624) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dusp16
Synonyms:	Mkp-7; Mkp7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR212677 representing NM\_001106624  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCATGAGATGACTGGAACCTCAAATGTACTGAGAGGTTGGTGGCTCTGTTGAAAGCGGCACCG  
 AGAAAGTCTGCTAATTGACAGCCGCCATTTGTGGAGTACAATACGTCCACATTCTGGAAGCCATCAA  
 TATCAACTGCTCCAAACTGATGAAGCGAAGGCTGCAACAAGACAAAGTATTAATTACAGAACTCATCCAG  
 CATTCTGCAAAACATAAGGTTGACATTGACTGCAGTCAGAAGGTGGTAGTGTATGATCAGAGTCCCAAGG  
 ATGTTGGTTCTCTGTCGTCAGACTGCTTCTCACTGTGCTTCTGGGTAAGCTGGAGAAGAGCTTCAACTC  
 TGTTACCTGCTGCAGGTGGGTTTGTGAGTTCTCTCGTTGTTCCCTGGCCTCTGTGAAGGAAAATCC  
 ACTCTAGTCCCTACCTGCATATCTCAGCCTTGCCACCTGTTGCCAACTGGGCCAACTCGAATTCTTC  
 CCAATCTCTATCTCGGCTGCCAGCGAGATGTCTCAACAAGGAGCTGATGCAACAGAACGGGATTGGCTA  
 TGTGCTAAATGCCAGCAACACCTGTCCAAGCCTGACTTCATACCCGAATCTCACTTCTCGGAGTGCCT  
 GTGAATGACAGCTTTTGTGAGAAAATCCTGCCCTGGTTGGACAAGTCTGTGGATTTCAATTGAGAAAGCAA  
 AAGCCTCAACGGCTGTGTGCTGATCCACTGCTTGGCTGGGATCTCCCGCTCGGCCACCATTGCTATTGC  
 CTATATCATGAAGAGGATGGACATGTCTCTGGATGAGGCTTACAGATTTGTGAAAGAAAAAGACCTACT  
 ATATCTCCGAACCTTAATTTTATGGGCCAACTCATGGACTATGAGAAGACGATTAGTAGCCAGACTGGAA  
 TGTCCGGGCCGAAGAGCAAACCTCAAGCTGCTGCACCTGGCAAAGCCAGTGAGCCTGTGCCTGCAGCCTC  
 AGAGGGCGGACGGAAGAATGCACTGTCTCTCAGCCCACCTGTGCCAACTCTACCTCAGAGGCAGTGGGG  
 CAAAGGCTTGTGCATCCTGCAAGTGTGCCAGCTTACAGCCTTCCCTCTGGAGGACAGTCCGCTGGTAC  
 AGGCGCTCAGTGGGCTCCAGCTGTCTCAGAGAAGCTGGAAGACAGCAACAGGCTCAAGCGTTCTTCTC  
 TCTCGATACAAGTCTGTTTCGATTTCAGCCAGTGTGGCAGCGTCTTACACGGCTTCTCGTCAGAGGAT  
 GCTATGGAGTACTACAACTTCCGCCCACTGGATGGGACCAGCAAGCTCTGCCAGTTCTCCCCGTTT  
 AGGAGGTATCAGAACAGACTCCAGAGACCAGCCCCGATAAGGAGGAGGCCACATCCCCAGGCAGCCCCA  
 AGCTACCAGACCTTCAGAGAGCCAGACCACCGGCTGCACTCAGTGAGAACCAGCAGTACTGGGTCTACC  
 CAGAGGCCCTTCTCTCGCCACTGCATCGGAGCGGGAGTGTGGAGGACAACCTACCACCAAACCTTCTTT  
 TTGGCCTTCCACCAGCCAGCAGCACCTACCAAGTCTGCTGCAGGGCTTGGCCTCAAGGGCTGGCACTC  
 AGACATTCTGCCTCCCCAGTCTCTGCCCTTCCCTGACCAGCGTTGGTATTTTGTACAGAGCCTTCA  
 CACTTCTACTCTGCTTCAGCCATCTATGGAGGCAACGCCAGTTACTCTGCCTACAGCTGTAGCCAGCTGC  
 CCATTGCAAGTACCAAATCTATTCTGTTCTGATAGCGGCGAGAAGCCTAGTGACAGAGCTGACTCACGGCG  
 GAGCTGGCATGAAGAGAGCCCTTTGAGAAGCAGTTTAAACGCAGGAGCTGCCAAATGGAATTTGGAGAG  
 AGCATTATGTCAGAGAACAGGTCGAGGGAAGAACTGGGCAAAGTGGGAGCCAATCTAGCTTTTCAGGAA  
 GCATGGAGGTCATTGAGGTCTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212677 representing NM\_001106624  
 Red=Cloning site Green=Tags(s)

MAHEMTGTQIVTERLVALLESGTEKVLIDSRPFVEYNTSHILEAININCSKLMKRRLQQDKVLITELIQ  
 HSAKHKVDIDCSQKVVVYDQSSQDVGSLSSDCFLTVLLGKLEKSFNSVHLLAGGFAEFSRCFPGLCEGKS  
 TLVPTCISQPCLPVANTGPTRILPNLYLGCQRDVLNKELMQQNGIGYVLNASNTCPKPDFIPESHFLRVP  
 VNDSFCEKILPWLDKSVDFIEKAKASNGCVLIHCLAGISRSATIAIAYIMKRMDSLDEAYRFVKEKRPT  
 ISPNFMGQLMDYEKTISSQTGMSPKSKLKLHLHDKASEPVPAASEGGRKNALSLSPPCANSTSEAVG  
 QRLVHPASVPSLQPSLLEDSPLVQALSGLQLSSEKLEDSNRLKRSFLDKSVSYASVAASLHGFSSD  
 AMEYKPSATLDGTSKLCQFSPVQEVSEQTPETSPDKEEAHPRQPQATRPSESQTRLHVSRTSSTGST  
 QRPFFSPLHRGSDVDNYHTNLFGLSTSQQHLTKSAAGLGLKGWSDILPPQSSAPSLTSGWYFATEPS  
 HFYSASAIYGGNASYSAYSCSQLPTCSDQIYSVRRRQKPSDRADSRRSWHEESPFEKQFKRRSCQMEFGE  
 SIMSENRSREELGKVGSSQSFSGSMEVIEVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

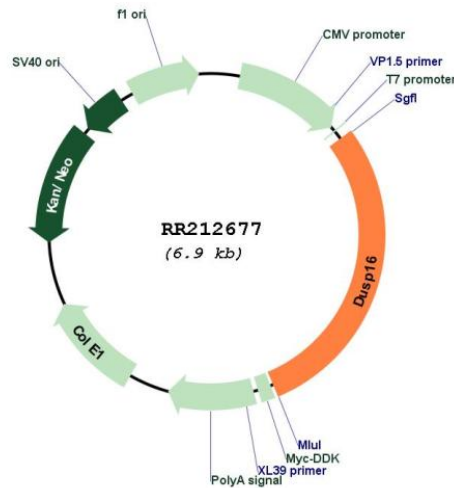
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001106624

ORF Size: 1983 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\\_001106624.2](#), [NP\\_001100094.1](#)

RefSeq Size: 1986 bp  
RefSeq ORF: 1986 bp  
Locus ID: 297682  
Cytogenetics: 4q43  
MW: 72.8 kDa