

Product datasheet for RR201091

Dusp6 (NM_053883) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp6 (NM_053883) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dusp6
Synonyms:	Mkp3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201091 representing NM_053883 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAGATACGCTCAGACCCGTGCCCTTCGCGTCGGAATGGCGATCAGCAAGACGGTGGCGTGGCTCA
ACGAGCAGCTGGAGCTGGGCAACGAACAGCTGCTGCTGATGGACTGCCGACCGCAGGAGCTGTACGAGTC
GTCGCACATCGAATCTGCCATCAACGTGGCCATCCCGGGCATCATGCTGCGGCGTCTGCAGAAGGGCAAC
CTGCCGGTGC GCGCTATTCACGCGCTGCGAGGACCGGACCGCTTACCAGGCGTGC GGCACCGACA
CCGTGGTGTCTACGACGAGAACAGCAGCGACTGGAATGAGAACACAGGTGGAGAGTCGGTCTCGGGCT
GCTGCTCAAGAACTCAAAGACGAGGGCTGCCGGCGTTCACCTTGAAGGTGGCTTCAGTAAGTCCAG
GCCGAGTTCGCCCTGCACTGCGAGACCAATCTAGACGGCTCGTGCAGCAGCAGCTCCCGCCCTTGCCAG
TGCTGGGACTCGGGGCTGAGGATCAGCTCCGACTCTTCTCGGACATTGAGTCTGACCTTGACCGAGA
CCCCAATAGTGCAACGGACTCCGATGGCAGCCCGCTGTCCAACAGCCAGCCTTCTTCCCGTGGAGATT
TTGCCCTTCTTACCTGGGCTGTGCCAAGGACTCTACTAATTTGGACGTGTTGGAAGAGTTTGGCATCA
AGTACATCTTGAACGTCACCCCAATCTGCCAATCTGTTTGAAGATGCAGGGGAGTTCAAGTACAAGCA
AATTCCTATCTGATCACTGGAGCCAAAACCTGTCCAGTTTTCCCTGAGGCCATTTCTTTCATAGAT
GAAGCCCGAGGCAAAAACCTGTGGTGTCCCTGGTGCATTGCTTGGCGGCATCAGCCGCTCCGTCACGGTGA
CAGTGGCTTACCTTATGCAGAAGCTCAACTTGTCCATGAACGATGCTTATGACATTGTCAAATGAAGAA
GTCCAACATCTCTCCAACTTCAACTTCACTGGGCCAGCTGCTTACTTTGAAAGGACCCTGGGACTCAGC
AGCCCCTGTGACAATCGTGTCCCGCACAGCAGCTCTACTTACC GCGCCTCCAACCAGAATGTCTACC
AAGTGGACTCCCTGCAATCTACG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201091 representing NM_053883
 Red=Cloning site Green=Tags(s)

MIDTLRPVPFASEMAISKTVAWLNEQLELGNEQLLLMDCRPQEL YESSHIESAINVAIPGIMLRRLQKGN
 LPVRALFTRCEDRDRFTRRCGTDTVVL YDENSDDWNENTGGESVLGLLLKLLKDEGCRAFYLEGGFSKFQ
 AEFALHCETNLDGSCSSSPPLPVLGLGLRISDSSSDIESDLDRDPNSATDSDGSPLSNSQPSFPVEI
 LPFLYLCAKDNLDVLEEFGIKYILNVTPNLPNLFENAGEFKYKQIPI SDHWSQNL SQFFPEAISFID
 EARGKNCVGLVHCLAGISRSVTVTVAYLMQKLNLSMNDAYDIVKMKKSNI SPNFNFMGQLLDFERTLGLS
 SPCDNRVPAQQLYFTAPSNQNVYQVDSLQST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2721_h03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053883

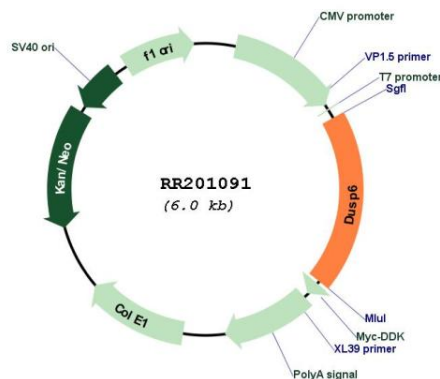
ORF Size: 1143 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_053883.2</u> , <u>NP_446335.1</u>
RefSeq Size:	2781 bp
RefSeq ORF:	1146 bp
Locus ID:	116663
UniProt ID:	<u>Q64346</u>
Cytogenetics:	7q13
MW:	42.3 kDa
Gene Summary:	protein tyrosine phosphatase involved in regulation of mitogen-activated protein kinase (MAPK) [RGD, Feb 2006]

Product images:



Circular map for RR201091