

Product datasheet for **RR208046**

Dusp11 (NM_001025650) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dusp11 (NM_001025650) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dusp11
Synonyms: MGC112701
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208046 representing NM_001025650
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACCACTGGCATTATGGCCGATACAGTCGGGGCCGGGACTTTACTGCCCGTGCCCCACCCAAGAAGA
AGGGCAAAAACCAGATCCCGAAAGGTGAAAGACTATCTCCAGTTGGGCAACGGATGCCTGGGACTCG
TTTCATTGCTTTCAAAGTTCCTTTGCAAAAAAATTTGAAGCAAAGCTTATGCCAGAAGAATGCTTTTCT
CCTTTGGATCTCTTAATAAAATCAAGAACAAAATGAAGAACTTGGATTGATAATCGATTAACATATA
CTCAGCGCTATTATAAGTAGAGGATTTGCCAAAACTATTTCTTACATAAAAAATCTTACAGTTGGTCA
TCAGGTACCTGACAGTGGCACTATTTTTAGTTCAAAGTGCAGTTAAAGAGTTTTTAAAGAGAAAATAAA
ACAATGACAACTTATTGGTGTCCACTGTACCCATGGCTTAAATAGGACTGGCTACCTCATTGCGAGAT
ATTTGATTGATGTAGAAGGCATGAGGCCAGATGATGCAATTGAATTGTTCAACAGGTGCCGGGACATTG
CATAGAAAGGCAGAACTACATCGAAAACCTGCAGAAACGTCGTGTGAGAAAGAACAGAAATGCTAGTGCA
TCTAGATCAGGTGGTCTTGAAGACTCAGCACATTTACAGAACAAGTCCACACCCTAACAAACAGTGGA
ACAAAGGACCTAAGAAAAGCCGACGTGGTGCATCTGGAATCGTCCCAGCATGTTCCAGCCAGGCTC
AGCGTACTCATTAGAAAATGGTCACAAAATCAGAGTGTACCAGAGAGGCTTCGTCCCTCCTCCCGGT
CCAGCTGGAGAGGACTATTCACAGAGAAGATTCTTCTGGAGCATGAGACCAAATGGCAGTCAAGCAACCC
ATCATAAGAAATGGATTGCTGCTAGTTACCAGAGACCTTTCTACCCAGCCTCCTGGGAATGGAATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208046 representing NM_001025650
Red=Cloning site Green=Tags(s)

MNQWHYGRYSRGRDFTARAPPKKKGKNQIPERWKDYLPVQQRMPGTRFIAFKVPLQKKFEAKLMPEECFS
 PLDLFNKIQEQNEELGLIIDLTYTQRYKVEDLPKTI SYIKILTVGHQVPDSGTIFQFKSAVKEFLKRNK
 NNDKLGIVHCTHGLNRTGYLICRYLIDVEGMRPDDAIELFNRCRGHCIERQNYIENLQKRRVRKNQNASA
 SRSGGLEDSAHLTEQVHTTNKPVNKGPKKSRGGHLESSQHVQTQSSAYSFRKWSQNQSVYQGRGFVPPPG
 PAGEDYSQRRFFWSMRPNGSQATHHKKWIAASYQRPFPYASWEWNV

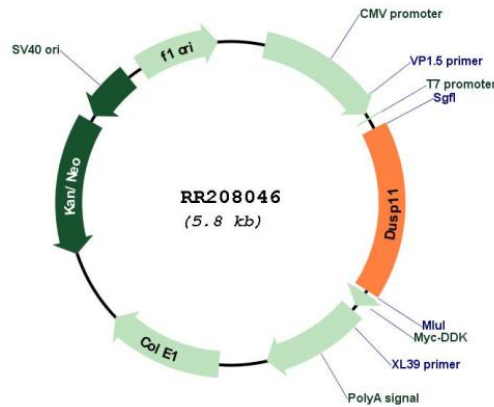
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025650

ORF Size: 978 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:	<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:	NM_001025650.1 , NP_001020821.1
RefSeq Size:	1155 bp
RefSeq ORF:	981 bp
Locus ID:	297412
UniProt ID:	Q4KM79
Cytogenetics:	4q34
MW:	38.1 kDa
Gene Summary:	Possesses RNA 5'-triphosphatase and diphosphatase activities, but displays a poor protein-tyrosine phosphatase activity. In addition, has phosphatase activity with ATP, ADP and O-methylfluorescein phosphate (in vitro). Binds to RNA. May participate in nuclear mRNA metabolism.[UniProtKB/Swiss-Prot Function]