

Product datasheet for **RR216003**

Dusp3 (NM_001173376) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dusp3 (NM_001173376) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dusp3
Synonyms: RGD1560049
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216003 representing NM_001173376
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCAGGGCCCCGCCGCCATGTCCGGCTCTTTGAGCTCTCGGTGCAAGATCTCAACGACCTGCTCT
 CGGACGGCAGCGGCTGTATAGCCTCCCAGCCAGCCCTGCAACGAGGTCATCCCAGGGTCTACGTGGG
 CAACCGCTCTGTGGCTCAGGACATCACCCAGCTGCAGAAATTGGGCATCACCCAGTCTGAATGCTGT
 GAGGGCAGTCCCTTCATGCATGTCAACACCAGTGTAGCTTCTACAAGGATACGGGCATCACCTACATGG
 GCATCAAGGCCAATGACACGCAGGAGTTCAACCTCAGTCTTACTTTGAAAGGGCTGCAGACTTCATTGA
 CCAGGCCCTGGCCATAAAAAATGGCCGGGTGCTTGCCATTGCCGTGAGGGCTACAGTCGCTCTCCAACG
 CTAGTCATCGCTACCTCATGTTGCGACAGAAGATGGATGTCAGGTCTGCTCTGAGCACTGTGAGGCAGA
 ATCGTGAGATCGGCCCAACGATGGTTTCCTGGCCAACTCTGCCAGCTCAATGACAGACTAGCCGAGGA
 GGGCAAGGTGAAACTC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR216003 representing NM_001173376
 Red=Cloning site Green=Tags(s)

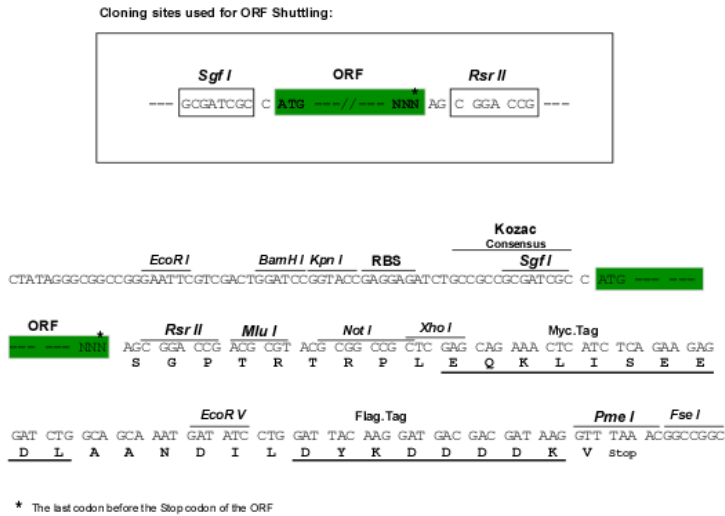
MQGPAAAMSGSFELSVQDLNDLLSDGSGCYSLPSQPCNEVIPRVYVGNASVAQDITQLQKLGITHVLNAA
 EGRSFMHVNTSASFYKDTGITYMGIKANDTQEFNL SAYFERAADFIDQALAHKNGRVLVHCREGYSRSP
 LVIAYLMLRQKMDVRSALSTVRQNREIGPNDGFLAQLCQLNDRLAEEGVKL

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

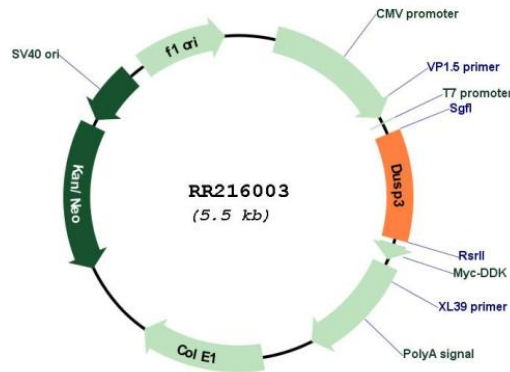
Restriction Sites: SgfI-RsrII



Cloning Scheme:



Plasmid Map:



ACCN: NM_001173376

ORF Size: 576 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_001173376.2](#), [NP_001166847.1](#)

RefSeq Size: 4231 bp

RefSeq ORF: 579 bp

Locus ID: 498003

Cytogenetics: 10q32.1

MW: 21.1 kDa