

Product datasheet for **RR213027**

Dusp18 (NM_001013128) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dusp18 (NM_001013128) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dusp18
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213027 representing NM_001013128
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTTCACCTGGAGTGCCTGCCAGTTTCAGTCCACAGCCCTCAATCAGTGGCCTCTCACAGATCA
CCAAGAGCCTGTTATCAGCAATGGCGCGGCTGCCAACGACAAGCTCCTACTGTCCAGCAATCAGATCAC
CACGGTGATCAATGTCTCAGTAGAGGTAGCGAACACCTTCTATGAGGACATCCAGTACGTGCAGGTGCCT
GTGGTGGATGCGCCCATCGCGCGCTCTCCGATTCTTCGACCCATTGCTGACCACATCCATTCGGTGG
AGATGAAGCAGGGCCGCACGCTGCTGCATTGCGCTGCTGGCGTGAGCCGCTCGGCCGCCCTGTGCCTCGC
GTACCTCATGAAGTACCATGCCATGTCCCTCTAGATGCCACGCTTGGACCAAATCACGAGGCCCATC
ATCCGGCCCAACAGTGGCTTTTGGGAGCAGCTCATCCATTATGAGTTCAGTTGTTTGGCAAGAATACGA
TGCAGATGGTTAACTCTCCCATGGGACTGATCCCCGACATCTACGAGAAGGAGACCCGTATGATGATTCC
ACTGAGTACACCAGATGGTGCTTTTCATAAGGGCAAGGAAAAAGCGTTGCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213027 representing NM_001013128
Red=Cloning site Green=Tags(s)

MTSPWSACPVQFPQPSISGLSQITKSLFISNGAAANDKLLSSNQITTVINVSVEVANTFYEDIQYVQVP
VVDAPVIAARLSDFFDPIADHIHSEVMKQGRLLHCAAGVSRSAALCLAYLMKYHAMSLLDAHAWTKSRPI
IRPNSGFWEQLIHYEFLFGKNTMQMVNSPMGLIPDIYEKETRMMIPLSTPDGAFHKGKEKALL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

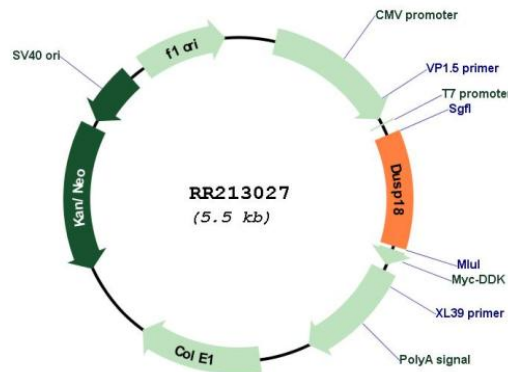


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001013128

ORF Size: 612 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:	<u>NM_001013128.2</u> , <u>NP_001013146.2</u>
RefSeq Size:	3571 bp
RefSeq ORF:	615 bp
Locus ID:	305477
UniProt ID:	<u>Q6AXW7</u>
Cytogenetics:	14q21
MW:	22.7 kDa
Gene Summary:	Can dephosphorylate single and diphosphorylated synthetic MAPK peptides, with preference for the phosphotyrosine and diphosphorylated forms over phosphothreonine. In vitro, dephosphorylates p-nitrophenyl phosphate (pNPP).[UniProtKB/Swiss-Prot Function]