

## Product datasheet for **RG214361**

### DUSP27 (DUPD1) (NM\_001003892) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DUSP27 (DUPD1) (NM_001003892) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DUSP27
Synonyms:	DUPD1; DUSP27; FMDSP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214361 representing NM_001003892 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACATCTGGAGAAGTGAAGACAAGCCTCAAGAATGCCTACTCATCTGCCAAGAGGCTGTCGCCGAAGA  
TGGAGGAGGAAGGGGAGGAGGAGGACTACTGCACCCCTGGAGCCTTTGAGCTGGAGCGGCTCTTCTGGAA  
GGGCAGTCCCAGTACACCCACGTCAACGAGGTCTGGCCAAGCTCTACATTGGCGATGAGGCGACGGCG  
CTGGACCGCTATAGGCTGCAGAAGGCGGGTTACGCACGTGCTGAACCGGCCACGGCCGCTGGAACG  
TGGACACTGGGCCGACTACTACCGGACATGGACATCCAGTACCACGGCGTGGAGGCCGACGACCTGCC  
CACCTTCGACCTCAGTGTCTTCTTACCCGGCGCAGCCTTCATCGACAGAGCGCTAAGCGACGACCAC  
AGTAAGATCCTGGTTCACTGCGTCATGGGCCGAGCCGGTCAGCCACCCTGGTCCTGGCCTACCTGATGA  
TCCACAAGGACATGACCCTGGTGGACGCCATCCAGCAAGTGGCCAAGAACCCTGCGTCCTCCCGAACCG  
GGGCTTTTGAAGCAGCTCCGGGAGCTGGACAAGCAGCTGGTGCAGCAGAGGCGACGGTCCCAGCGCCAG  
GACGGTGAGGAGGAGGATGGCAGGGAGCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG214361 representing NM\_001003892  
 Red=Cloning site Green=Tags(s)

MTSGEVKTSLKNAYSSAKRLSPKMEEEEEDYCTPGAFELERLFWKGSPQYTHVNEVWPPLYIGDEATA  
 LDRYRLQKAGFTHVLNAAHGRWNVDTPDYRMDIQYHGVEADDLPTFDLSVFFYPAAAFIDRALSDDH  
 SKILVHCVMGRSRSATLVLAYLMIHKDMTLVDAIQQVAKNRCVLPNRGFLKQLRELDKQLVQQRSSQRQ  
 DGEEEDGREL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001003892

**ORF Size:** 660 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\\_001003892.2](#)

**RefSeq Size:** 663 bp

**RefSeq ORF:** 663 bp

**Locus ID:** 338599

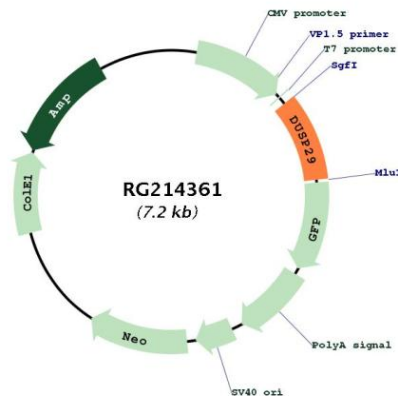
**UniProt ID:** [Q68J44](#)

**Cytogenetics:** 10q22.2

**Protein Families:** Phosphatase

**Gene Summary:** Dual specificity phosphatase able to dephosphorylate phosphotyrosine, phosphoserine and phosphothreonine residues, with a preference for phosphotyrosine as a substrate. [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG214361