

Product datasheet for **RG200171**

DUSP23 (NM_017823) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DUSP23 (NM_017823) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DUSP23
Synonyms: DUSP25; LDP-3; LDP3; MOSP; VHZ
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200171 representing NM_017823
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCGTGCAGCCCCCAACTTCTCCTGGGTGCTTCCGGGCCGGCTGGCGGGACTGGCGCTGCCGCGGC
 TCCCCGCCACTACCAGTTCCTGTTGGACTGGGCGTGCGGCACCTGGTGTCCCTGACGGAGCGCGGGCC
 CCCTCACAGCGACAGCTGCCCGGCTCACCTGCACCGCTGCGCATCCCCGACTTCTGCCGCGCGCC
 CCCGACCAGATCGACCGTTCGTGCAGATCGTGGACGAGGCCAACGCACGGGGAGAGGCTGTGGAGTGC
 ACTGTGCTCTGGGCTTTGGCCGACTGGCACCATGCTGGCTGTTACCTGGTGAAGGAGCGGGCTTGGC
 TGCAGGAGATGCCATTGCTGAAATCCGACGACTACGACCCGGCTCCATCGAGACCTATGAGCAGGAGAAA
 GCAGTCTCCAGTCTACCAGCGAACGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200171 representing NM_017823
 Red=Cloning site Green=Tags(s)

MGVQPPNFSWVLPGRLAGLALPRLPAHYQFLDLGVRHLVSLTERGPPHSDCPGLTLHRLRIPDFCPPA
 PDQIDRFVQIVDEANARGEAVGVHICALGFGRTGTMLACYLVKERGLAAGDAIAEIRRLRPGSIETYEQEK
 AVFQFYQRTK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_017823

ORF Size: 450 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_017823.5](#)

RefSeq Size: 718 bp

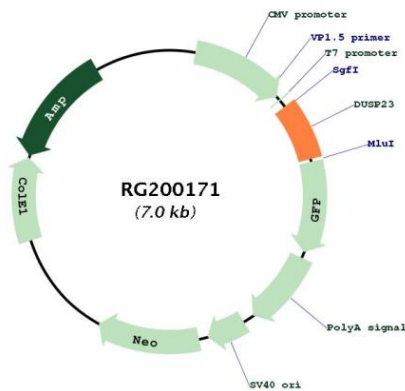
RefSeq ORF: 453 bp

Locus ID: 54935

UniProt ID: [Q9BVJ7](#)

Cytogenetics:	1q23.2
Domains:	DSPc, PTPc_motif
Protein Families:	Druggable Genome, Phosphatase
Gene Summary:	Protein phosphatase that mediates dephosphorylation of proteins phosphorylated on Tyr and Ser/Thr residues. In vitro, it can dephosphorylate p44-ERK1 (MAPK3) but not p54 SAPK-beta (MAPK10) in vitro. Able to enhance activation of JNK and p38 (MAPK14). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200171