

Product datasheet for **MR218477**

Dusp23 (NM_026725) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dusp23 (NM_026725) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dusp23
Synonyms: 1300005N15Rik; LDP-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218477 representing NM_026725
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCGTGCAACCCCCCAACTTCTCCTGGGTGCTTCCGGGACGGCTGGCCGGACTGGCGTTGCCCGGC
TGCCCGCGCACTACCAGTTCTGCTGGACCAGGGTGTGCGGCACCTGGTGTCCCTGACGGAGCGCGGACC
CCCTCACAGTGACAGCTGTCCCGCCTCACGCTGCACCGAATGCGCATCCCTGACTTTTGCCCGCCGTCC
CCGGAACAGATCGACCAATTTGTAAGATCGTGGACGAGGCCAATGCCCGGGAGAGGCTGTTGGAGTGC
ACTGTGCCCTAGGCTTTGGCCGCACTGGCACCATGCTAGCTGCTACTTGGTGAAGGAGCGGGCTTTGGC
CGCAGGAGATGCCATTGCTGAGATCCGGCGCCTGCGACCAGGATCCATTGAGACGTATGAACAGGAGAAG
GCCGTCTTCCAGTTCTACCAGCGAACAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218477 representing NM_026725
Red=Cloning site Green=Tags(s)
MGVQPPNFSWVLPGRLAGLALPRLPAHYQFLLDQGVRLVSLTERGPPHSDSPGLTLHRMRIPDFCPPS
PEQIDQFVKIVDEANARGEAVGVHICALGFGRTGTMLACYLVKERALAAGDAIAEIRRLRPGSIETYEQEK
AVFQFYQRTK

TRTRPLEQK**L**ISEEDLAANDILDYKDDDDK**V**

Chromatograms: https://cdn.origene.com/chromatograms/ja1943_c10.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026725

ORF Size: 450 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_026725.2](#), [NP_081001.1](#)

RefSeq Size: 1417 bp

RefSeq ORF: 453 bp

Locus ID: 68440

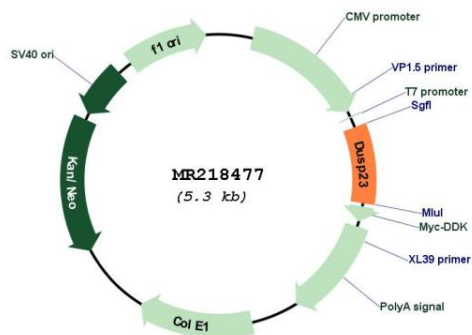
UniProt ID: [Q6NT99](#)

Cytogenetics: 1 H3

MW: 17.1 kDa

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 MR218477