

Product datasheet for MR201720

Dusp3 (NM_028207) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dusp3 (NM_028207) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dusp3
Synonyms: 2210015O03Rik; 5031436O03Rik; T-DSP11; VHR
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201720 representing NM_028207
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAGCTCGTTCGAACTCTCGGTGCAAGATCTCAACGACCTGCTCTCGGATGGCAGCGGCTGCTACA
GCCTGCCGAGCCAGCCCTGCAACGAGGTCGTCGCCGAGGGTCTACGTGGGCAACCGCTCTGTGGCTCAGGA
CATCACCCAGCTGCAGAACTGGGCATCACCCACGTCCTGAATGCTGCCGAGGGCAGGTCCTTCATGCAC
GTCAACACCAGTGTAGCTTCTACGAGGATTCTGGCATCACTACTTGGGCATCAAGGCCAATGATACGC
AGGAGTCAACCTCAGTGCTTACTTTGAAAGGGCCACAGATTTTCATTGACCAGGCGCTGGCCCAAAAA
TGGCCGGGTGCTTGTCCATTGCCGCGAGGGCTACAGCCGCTCCCAACGCTAGTTATCGCCTACCTCATG
ATGCGGCAGAAGATGGACGTCAAGTCTGCTCTGAGTACTGTGAGGCAGAATCGTGAGATCGGCCCAACG
ATGGCTTCTGGCCCAACTCTGCCAGCTCAATGACAGACTAGCCAAGGAGGGCAAGGTGAAACT

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201720 representing NM_028207
Red=Cloning site Green=Tags(s)

MSSSFELSVQDLNDLLSDGSGCYSLPSQPCNEVPRVYVGNASVAQDITQLQKLGITHVLNAAEGRSFMH
VNTSASFYEDSGITYLGIKANDTQEFNL SAYFERATDFIDQALAHKNGRVLVHCREGYSRSPTLVIAYLM
MRQKMDVKLSALSTVRQNREIGPNDGFLAQLCQLNDRLAKEGKVKL

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

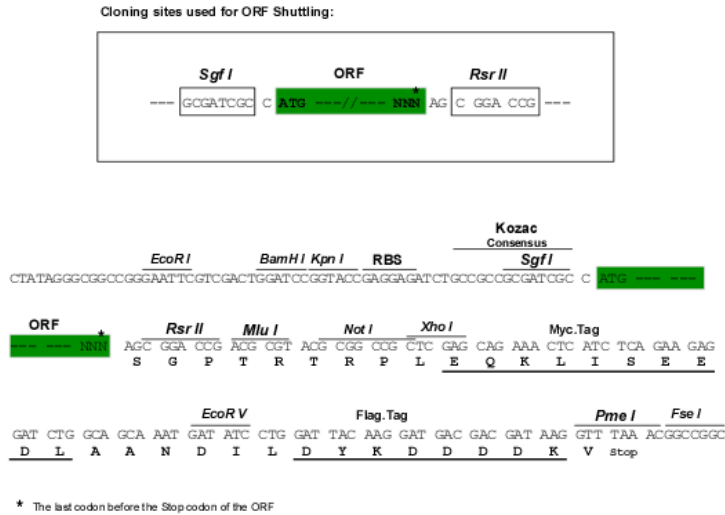
Chromatograms: https://cdn.origene.com/chromatograms/mm9035_h03.zip



[View online >](#)

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_028207

ORF Size: 555 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_028207.3](#), [NP_082483.1](#)

RefSeq Size: 4204 bp

RefSeq ORF: 558 bp

Locus ID: 72349

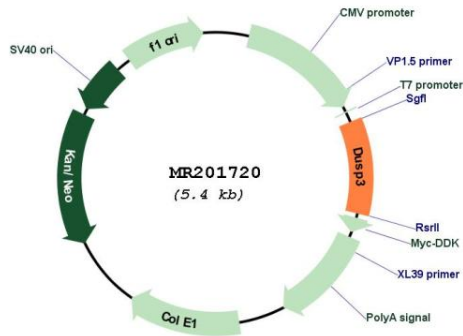
UniProt ID: [Q9D7X3](#)

Cytogenetics: 11 D

MW: 20.9 kDa

Gene Summary: Shows activity both for tyrosine-protein phosphate and serine-protein phosphate, but displays a strong preference toward phosphotyrosines. Specifically dephosphorylates and inactivates ERK1 and ERK2 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201720