

Product datasheet for **MG221293**

Dusp5 (NM_001085390) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp5 (NM_001085390) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dusp5
Synonyms:	Gm337
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221293 representing NM_001085390 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGTCACGTCGCTCGACGGGCGCCAGCTGCGCAAGATGCTCCGCAAGGAGGCGGAGGCGCGCTGCG
TGGTGCTCGACTGCCGGCCCTACCTGGCCTTCGCCGCGTCGAGCGTGCAGCGGCTCGCTCAACGTCAACCT
CAACTCGGTGGTGTGCGGGCGGGCCGGGGCGGCGGGTGTGCGGCGCTACGTGCTGCCGACGAGGCG
GCCCGCGCTCGGCTGCTGCAGGAGGCGGCGGGTGTGGCGGGTGGTGTGCTGACCAAGGATAGCC
GCCACTGGCAGAAGCTGCGGGAGGAGAGCGCCGCGCGCTCGTGTCTCACCTCGTGTGCTGCTGCCCTGCC
CGCCGGCCCGGGTCTACTTCCCTAAAGGGGGTATGAGACCTTCTACTCACAGTATCCTGAGTGTGT
GTGGATGTGAAGCCACCTCACAAGAGAAGATCGAAGGCGAGAGAAGCCTCCTCAGCCAGTGTGAAAGC
CCGTTCTCAGCGTCGCCTACAGACCAGCCTATGACCAGGGTGGCCGGTTGAAATCCTTCCCTTCTCTA
CCTTGAAGTGCCTACCACGCATCCAAGTGCGAGTTTCTCGCAAACCTGCACATCACAGCCCTGTGAAT
GTTTCCCGCCGGACCTCCGAGGCTGCACCACCACCTACACTACAAGTGGATCCCGTGGAGGACAGCC
ACACTGCTGACATTAGCTCCCCTTTCAAGAAGCAATAGATTTTATTGACTGTGTGAGGGAAGGAGG
CAAGTCTGTCCACTGCGAAGCTGGGTTTCCCGTGCACCACCATCTGCATGGCTTACCTCATGAAG
ACCAAGCAGTTCGGCTGAAGGAGCCTTCGATTACGTCAAGAGGAGGAGCGTGGTCTTCCCACT
TTGGCTTATGGGACAGCTCCTTCAGTATGAATCTGAGATCCTGCCCTCCACACCCTCCAGCCGCC
CTCCTGCCAAGGGGAGGAGCCAGCTCCAGTTTATAGGCCATTTACAGACACTGAGCCCTGATATGCAG
GGCACCTACTGCACATTCGTACCTCAGTGTGGCACCAGTGCACCACCTCCACAGTCCAGAGCTCC
ACAGGAGCCCGTGGCCACAGCCACATCTGCT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221293 representing NM_001085390
 Red=Cloning site Green=Tags(s)

MKVTSLDGRQLRKMLRKEAEARCVVLDPCRYLAF AASSVRGSLNVNLNSVVLRRRARGGAVSARYVLPDEA
 ARARLLQEGGGVA AVVLDQGSRHWQKLREESAARVVL TSLLA CLPAGPRVYFLKGGYETFYSQYPECC
 VDVKPTSQEKIEGERSLLSQCGKPVLSVAYRPA YDQGGPVEILPFLYLGSAYHASKCEFLANLHITALLN
 VSRRTSEACTTHLHYKWIPVEDSHTADISSHFQEAIDF IDCVREEGGKVLVHCEAGVSRSP TICMAYLMK
 TKQFRLKEAFDYVKQRRSVVSPNFGFMGQLLQYSEILPSTPTLQPPSCQGEAASSTFI GHLQTLSPDMQ
 GTYCTFRTSVLAPVPTHSTVPELHRSPVATATSC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001085390

ORF Size: 1152 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_001085390.2](#)

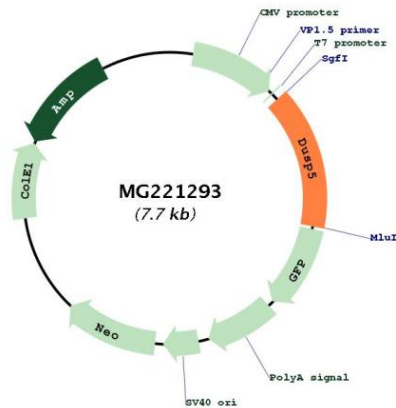
RefSeq Size: 1155 bp

RefSeq ORF: 1155 bp

Locus ID: 240672

Cytogenetics: 19 D2

Product images:



Circular map for MG221293