

Product datasheet for **MG217222**

Dusp27 (NM_001033344) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dusp27 (NM_001033344) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dusp27
Synonyms: C130085G02Rik; Gm209
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217222 representing NM_001033344
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACCGGTGGAGACGCAGAGGAGGAGCAGGTAGTCCAAACGAGGAGGATGAAGCAGATGTGAGAG
CTGTACAGGCCCGCTATCTCCGGAGTCCCTCCCAAGCCAGTACTCGGTGGTCTCAGAGGCAGAAACCGA
AAGCATCTTCATGGAGCCATCCACCTCTCCTCGGCTGTAGCTGCCAAACAGATCATCAACGAAGAATC
AAGCCTCGGGGGCTCAGAACAGACACTGAGTGTCCAGGCATGCTGGAGTCTGCTGAACAATGCTGGTGG
AAGACCTGTACAACCGTGTCCGTGAGAAGATGGATGACAGGAGCCTGTTCACACCCCTGTGTGTGGA
CCTGCAGCGGGCGCTGACCCAGGACCGCAAGAGGCCCTCGGAATGAGGTGGATGAGGTGTGGCCCAAC
GTCTTCATAGCTGAGAAAAGCGTGGCTGTGAACAAGGGGCGGCTCAAGAGGCTGGGCATACCCACATTC
TGAATGCCGCACATGGCAGAGGAGTTTACTGTTTCTGAATTCTACTGGCCTGGAGATCCAGTACCT
GGGGTGGAAAGTGGATGACTTCCAGAGGTGGACATCTCCCAACATTTCCGGAAGCAGCTGAGTTCCCT
GACGAAGCTCTGCTGACCTACAGAGGAAAGTCTGGTCAAGCAGTGAATGGGTATCAGCAGGTCAGCAG
TGCTGGTGGTGCCTACCTGATGATCTCCACAGCATGGCCATCCTGGAGGCCTGATGACTGTGCCGAG
AAAGCGAGCTATCTACCCAATGACGGCTTCTAAAACAATGCGGGAGCTCAATGAGAAATTGATGGAG
GAGAGGGAAGAGGAGGATGGTGAAGAGGAGTCTGAGGAAGATGCCACTAGCCACTGAGTGGCTCCTCCTGGGGAAGGCCAG
ATTCAGTATGGTGGAAAGAAGAAGATGATGCCACTAGCCACTGAGTGGCTCCTCCTGGGGAAGGCCAG
CCAGGTCTCCAAACAGTCACTCTTATTGATGACGAGGAGGAGGAGAAGAAGCTGTATGAAGAGTGGAGG
AAGGGGACGGCTTCCCAAGGGGAGGCTGCTCAGGGTAGAAAGGGACGTAGCTGTTCTATGTCCTCAG
CACAGGATGGAGACGACTGTGAGGATGAGGATGTAGAAAGGATAATCCAGGAGTGGCAGAGCCGAAATGA
GAGGTACCAAGCCAAAGGGCGCAGCAGTGAACCGGAGGAAGAAGAGGAGGAAGAGAATCCTACTCC
AGCAGAAGGCGCAGACACACCCTAAGCGAGAGCAGTGTCTGAGAGTGTGAGCAGCATGACATCCGGA
TCCTGAAGCAGCAACTGGAGAGGAGCACCCAAAGCCGCCGGAAGATACCGCTCTGACTCGGAGTCCCT
GGAGAGCACCTGGACATGTGGAACGAGAGGCTGGTGGAGATCGAGAAGGAGGCTGCCCGGAAGTACCGC



[View online >](#)

TCCAAGAGCAAGAGGGAGGAGCTGGATGGCGATTGTTTCAGAGGCAGGGGGCAGGGTCCGAGAGGACGATG
 AGGAGAGCGTGTGTCTGAGGCCAGCTCCTTCTACAACCTCTGCAGTAGGAAACAAGGACAAGCTCACTCC
 CCTGGAAGGTGGAAGATTAAGAGAATCCAATTTGGGTTTACAAGAAAGACTCGGAGGCCGGAGACGGG
 GGCAGTGAGCATGGTACAGAAGAGGCAGCAGCAGGAGAGAAGAACCTCTCTGATGTCAACCTGACAGCCT
 ACCAGGCCCTGGAAGCTGAAGCACCAGAAAAAGGTGGGGAGTGAGAACAAGGAGGAAGTGGTTGAGATGAG
 CAAAGGAGAAGACACGGTCTTGGCTAAGAAGAGACAGCGGAGACTAGAGTTACTGGAGAGGAGCAGGCAG
 ACACCTGGAGGAGAGTCACTCCATGGGAAGCTGGGAGGCAGACAGCTCAACAGCCAGCAGGAGACTCCCCC
 TGCTGTGATTCTCGTCCGCGCCCTTCTGTCACTGCGGATGGGACACTGCGTCACTACTCAGCACCCCA
 GAGCCACCGTTTCTCATGCAAGTAACATGCCCGCCACCCCTGCCTAACCTGCCGGTGGGGCCTGGAGAC
 ACCATTTCCATTGCCAGTATCCAGAAGTGGATTGCCAATGTCGTCAATGAAACCTCGCCAGAAGCAAA
 ACGAAATGCTCTTGTGTCCCGCCACCCTCTGTTGCAAGCATGAAGGCAGCTCCAGCAGCCTGCGGCCCT
 TGGGGGGGATGACCAGCTCTCCGTGCTCAGCACCTCCCTGAGTGGCTGCTTACCACCTCCAAGCCAAGG
 AGACCCAGCTCCGACGTGCAGTCTGTGCTCCTCCACCAGCTCGCTGACCTCCAGGGCTGAAGGCAGTG
 GGAACAAAGTGAAGGGGACCAGCAAGCCATCTACAGCCTCTTTGCTGACAACGTGGACCTGAAGGAGCT
 TGGCCGGAAGGAGAAGAGATGCAAATGGAGCTGCAGGAGAAGATGTCGAGTATAAAATGGAGAAGCTG
 GCCTCTGATAACAAGCGTAGCTCTCTTCAAGAAGAAGAAGGCCAAGGATGACGAGGACATGAGCGTGG
 GTGACAGAGACGAGGACACAGACAGTGCATCGGAAGCTTCCGGTACTCCTCTCGCAGTAATTTCCAGAA
 GCCGGAGACAGATGCCTCCTTCTCTGGCCATCTCTGATCACTATAGAAATGGCCGACAGATGGGTAAAC
 GAGATGGATAGCAATATTAATACGTGGCTCAGTGGCCTCAGGATGGAAGAAAAATCTCCTCCTCAAAGTG
 ATTTGGTCCGGAAGTTCAGGGGGAGGTATACCAGGTCTTCTCTGCTCCGGGAAACAGAGTCTAAATCCTG
 CAGTTACAAGTTCTCAAATCTAGTTCACAGGAGCAGGACACCTCCTCCACGAAGCCAATGGTGACACT
 GTGGCAAACACCTCACGGTCTCATCTTCCACCACCAAGGAGGCCAGAGAGATGCACAAGTTCTCTCGGT
 CCACATTCAGCGAGACCTCGAGCTCCCGAGAGGAGGCCAGAACCTATTTCTCCGCGGACCCCTGA
 ACCCTCTGATGGGGAGGAGTCCCGAGAGCCAAGGCGTCCAAACTGGACCAGGCCAGGGACTGGGAAGAT
 GTAGAAGAGTCACTAAATCAGACTTCGCTGAGTTGGGGCCAAGAGGAAATTCACCCAGAGCTTCATGA
 GGTCTGAAGAGGAGGAGAGAAGGAGAGGACAGAAAACCGAGAGGAAGGGAGTTTGCATCTGGCGTCA
 GTCCAGTATCGGAGAAGCACAACCAGCAAGAGGAAGAAGAAATGGATGATGAAGCCATCATTGCCGCC
 TGGAGAAAGCGGCAAGAGGAAACCAGAACCAACTGCAAAGGAGGAGGGAGGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG217222 representing NM_001033344
 Red=Cloning site Green=Tags(s)

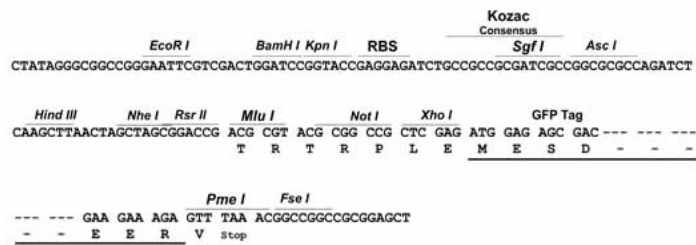
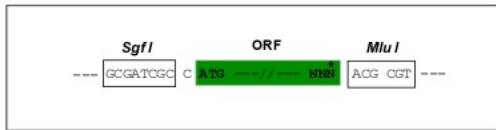
MATGGDAEEEEQVVPNEEDEADVRAVQARYLRSPSPSQYSVVSEAEETESIFMEPIHLSAVAQKIINEEL
 KPRGLRTDTECPGMLSEAEQLLVEDLYNRVREKMDRSLFNTPCVLDLQRALTQDRQEARNEVDEWPN
 VFIAEKSVAVNKGRLKRLGITHILNAAHGTGVYTGSEFYTGLEIQYLGVEVDDFPEVDISQHFRAAEFL
 DEALLTYRGKVLVSSEMGISRSVAVLVAYLMIHFHSMALILEALMTVRRKRAIYPNDGFLKQLRELNEKLME
 EREEEDGESEEDAGSMLGARVNSLMVEEEDDATSHLSGSSLGKASQVSKPVTLIDDEEEKLYEEWR
 KGQGFPGKEAAQGRKGRSCSMSSAQDGDCEDEDVERIIQEWQSRNERYQAKGREQWNREEEEEENSYS
 SRRRRHTLSESSASESVSSHDIRILKQQLERSTQSRGRYRSDSESESTWDMWNERLVEIEKAARKYR
 SKSKREELDGDCEAGGRVREDDEESVLSEASSFYNFCSRNDKLTPLERWKIKRIQFGFHKKDSEAGDG
 GSEHGTEEAAGEKNLSDVNLTAQAWLKHQKVGSENKEEVVEMSKGEDTVLAKKRQRRELLERSRQ
 TLEESQSMGSWEADSSTASRSIPLSAFSSAAPSVSADGDTASVLTQSHRSHASNPATPLPNLPVPGD
 TISIASIQNWIANVVNETLAQKQNEMLLSRPPSVASMKAAPAACGLGGDDQLSVLSTSLSGCLPPPSQG
 RPSSDVQSVLSSSTLTSRAEGSGNKVRGTSKPIYSLFADNVDLKELGRKEKEMQMLQEKMSEYKMEKL
 ASDNKRSSLFKKKKAKDDEDMSVGDREDDTSDAIGSFYSSRSNSQKPETDASSSLAISDHYRNGRSMGN
 EMDSNINTWLSGLRMEEKSPQSDWSGSSRGRYTRSSLLRETESKSCSYKFSKRSQEQDTSFHEANGDT
 VRNTRFSSTTKEAREMHKFSRSTFSETSSREESPEPYFFRRTPEPSDGEESPEPRRNWTRPRDWD
 VEESKSDFAEFGAKRKFQSFMRSEEEGEKERTENREEGRFASGRQSQYRRSTNQEEEEEMDEAIIAA
 WRKRQEETRTKLQRRRED

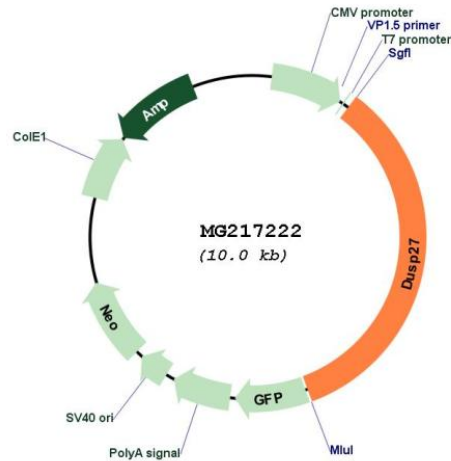
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_001033344

ORF Size: 3414 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_001033344.3](#), [NP_001028516.2](#)

RefSeq Size: 4042 bp

RefSeq ORF: 3417 bp

Locus ID: 240892

UniProt ID: [Q148W8](#)

Cytogenetics: 1 H2.3

Gene Summary: May be required for myofiber maturation.[UniProtKB/Swiss-Prot Function]