

Product datasheet for **MG210374**

Dpp3 (NM_133803) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpp3 (NM_133803) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dpp3
Synonyms:	4930533O14Rik; C86324; DPP III
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG210374 representing NM_133803
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCAGATACCCAGTACATCCTGCCCAATGACATTGGTGTGTCTAGCCTGAACTGCAGGGAGGCATTCC
GCCTGCTGTACCCACAGAGCGCCTCTATGCCATCACCTGTCTAGAGCTGCTTGGTATGGGGCCCTGGC
AGTGCTGTCCAGACATCCCCTGAAGCCCCCTACATCTATGCCCTGCTTAGCCGCTCTTCCGTGCCAG
GACCCTGACCAGCTGCGCCAACATGCCCTGGTGAGGGTCTTACTGAAGAAGAGTACCAGGCATTCTGG
TCTACGCTGCAGGGTCTACTCCAACATGGGCACTACAAGTCTTTGGTGACACCAAGTTTGTCTTAA
CCTGCCAAGGACAAGCTGGGACGTGTGATCCTGGGGAGTAAGGCTGCCAGCAGCGCCAGAAGAAGTC
AGGGACCTTTGGCAGACCTGTGGGACCTTATGTTCTCCCTGGAACCGAGGCTTCGACATCTTGGGCTGG
GGAAGGAGGGAGTACCACCTATTTCTCTGGGGATTGTACCATGGAAGATGCTAAGCTGGCCAGGACTT
TCTGGACTCTCAGAACCTCAGTGCATACAACACTCGGCTCTTCAAGGTCGTTGACCAGGAAGGGAAGTCC
CACTATGAGGTGCGGCTGGCTTCACTCAACACAGACCTGCTCTCGACTCTGAATTGACCTCCAAGC
TGAAGAGATATGAGTTCAGGGGAACATTTCCAGGTCACCCGGGGGACTATGCCCCATCCTCCAGAA
GGTGGTAGAACACTTGGAGAAAGCTAAGGCTTATGCAGCCAACAGCCACCAGGAGCAATGCTGGCTCAG
TACGTGGAGAGCTTACCCAGGGCTCCATTGAGGCCCATAAAGAGGGGCTCCCGCTTCTGGATTGAGGACA
AAGGCCCATTTAGAGAGTTACATTGGCTTATTGAGAGCTACCGTGACCCCTTTGGCTCCCGAGGAGA
GTTTGAAGGCTTCGTGGCCATGGTAAACAAAGCCATGAGTGCCAAGTTCGAGCGGCTGGTCGCGAGTGT
GAGCAGCTGTGAAGGAGCTGCCCTGGCTCTTGCCTTCGAGAAGGACAAGTTCCTCACCCCTGACTTCA
CCTCCCTGGAGCTCCTCACCTTTGCTGGCTCTGGCATTCTGCGGGCATCAACATCCCCAACTACGATGA
CCTGAGACAGACAGAAGGCTTTAAGAATGTATCGCTGGGGAATGTGCTGGCTGTGGCCTATGCCGAAAG
CGGGAGAAGCTCACGTTCTTGGAGGAGGAAGACAAGGACCTGTATATCCGCTGGAAGGGCCGCTCTTTG
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TGCTTTCAACTTTGACAAGGAGACTGTGATCAACCCAGAGACTGGGGAACAGATCCAGAGCTGGTACCGG
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GCAGCAACTGGCGACAGGCCACATGCAGGCCGGTTTGTGATCCTGCGGGTTTGTGGAAGCTGGCG
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CAGCAAGATCCGGTCAGTGGGCAGACCTGCCTTGGAGCGGTTCTGCGGAGACTCCAGGTGCTGAAGTCC
ACGGGGGACGTGGTGCAGGGGCGGGCCCTGTACGAGGGCTATGCAGCAGTCACTGACGCACCTCCAGAGT
GCTTCTTACCCTAAGGGATACGGTACTGCTGCGCAAGGAGTCCCGGAAGCTTATTGTTCAACCCAAAC
TCGCTTGAAGGCTCAGAAGTACAACCTGTGGAGTATGAGGCCTCAGCCGCTGGCCTCATCCGCTCCTTC
TGTGAGCGGTTTCCCGAGGATGGGCCGAGTTGGAGGAGGTTCTTATCCAGCTGGCTGCAGCAGATGCC
GATTCTGGAGGAACCGCCAGGAGGCCACCTGGCCAGGCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210374 representing NM_133803
 Red=Cloning site Green=Tags(s)

MADTQYILPNDIGVSSLNCREAFRLLSPTERLYAHLHLSRAAWYGGGLAVLLQTSPEAPYIYALLSRLFRAQ
 DPDQLRQHALAEGLTEEEYQAFLVYAAGVYSNMGNYSFGDTKFVPNLPKDKLGRVILGSKAAQQRPEEV
 RDLWQTCGDLMSLEPRLRHLGLGKEGVTTYFSGDCTMEDAKLAQDFLDSQNL SAYNTRLFKVVVDQEGKS
 HYEVRASVLTDPALDSELTSLKRYEFQGNHFQVTRGDYAPILQKVVEHLEKAKAYAANSHQEMLAQ
 YVESFTQGSIEAHKGRSRFWIQDKGPIVESYIGFIESYRDPFGSRGEFEGFVAMVKNKAMSAKFERLVASA
 EQLLKELPWPLAFEKDKFLTPDFSLDVLTFAGSGIPAGINIPNYDDLRTQTEGFKNVSLGNVLAVAYAAK
 REKLTFLLEEDKDLIRWKGPSFDVQVGLHELLGHGSGKLFVQDEKGFNFDKETVINPETGEQIQSWYR
 SGETWDSKFSTIASSYEECRAESVGLYLCLNPQVLEIFGFEGADAEDVIYVNWLNVMVRAGLLALEFYTP
 AANWRQAHMQARFVILRVLLEAGEGLVTPTTGS DGRPDARVRLDRSKIRSVGRPALERFLRRLQVLKS
 TGDVVAGRALYEGYAAVTDAPPECFLTRDVTLLRKESRKLIVQPNTRLEGSEVQLVEYEASAAGLIRSF
 CERFPEDGPELEEVLIQLAAADARFWRNQAQEAPPGQA

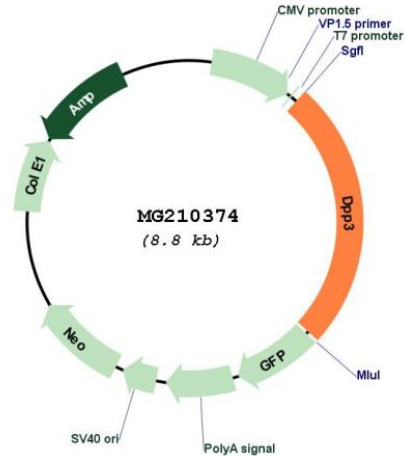
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_133803

ORF Size: 2214 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_133803.1](#), [NP_598564.1](#)

RefSeq Size: 2654 bp

RefSeq ORF: 2217 bp

Locus ID: 75221

UniProt ID: [Q99KK7](#)

Cytogenetics: 19 A

Gene Summary: Cleaves and degrades bioactive peptides, including angiotensin, Leu-enkephalin and Met-enkephalin. Also cleaves Arg-Arg-beta-naphthylamide (in vitro).[UniProtKB/Swiss-Prot Function]