

Product datasheet for **MG210990**

Dpp9 (NM_172624) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpp9 (NM_172624) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dpp9
Synonyms:	6430584G11Rik; A330078I11; DPP IX; DPRP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG210990 representing NM_172624
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGCAGCGGGTCTCCCCAGTTGAGCAGGTGGCCGAGGGACATGGATGACACGGCAGCAGCTTCT
 GTGTGCAGAAGCACTCGTGGGATGGGCTGCGTAGCATTATCCACGGCAGTCGCAAGTCTCGGGCCAT
 TGTGAGCAAGGCCCCACGACTTCCAGTTTGTGCAAGAAGCTGACGAGTCTGGCCCCACTCTCACCGT
 CTCTATTACCTCGGAATGCCTTACGGCAGCCGTGAGAAGTCCCTCCTCTACTCCGAGATCCCAAGAAAG
 TGCGGAAGGAGGCCCTGCTGCTGCTGCTGCTGGAAGCAGATGCTGGACCACTTCCAGGCCACACCCACCA
 TGGTGTCTACTCCGAGAGGAGGAGCTACTGCGGGAGCGCAAGCGCTGGGCGTCTTCGGAATCACCTCT
 TATGACTTCCACAGTGAGAGCGGCTTCTCTTCCAGGCCAGCAATAGCCTGTCCACTGCAGGGATG
 GTGGCAAGAATGGCTTTATGGTGTCCCGATGAAGCCACTGGAGATCAAGACTCAGTGTCTGGGCCAGC
 CATGGACCCAAAATCTGCCCGCAGACCTGCCTTCTTTTCTCATCAACAACAGTGATCTGTGGGTG
 GCAAACATCGAGACTGGGAGGAACGGCGGCTCACCTTCTGTACCAGGGTTTCAGCTGGTGTCTGGACA
 ATCCCAAATCAGCAGGCGTGGCCACCTTTGTATCCAGGAGGAGTTCGACCGCTTCACTGGTGTGGTG
 GTGCCCCACGGCCTTTGGGAAGGCTCCGAAGTCTCAAGACGCTGCGCATCCTATATGAGGAAGTGGAC
 GAGTCTGAAGTGGAGGTCACTATGTGCCCTCCCCCGCCTGGAGGAGAGGAAGACGGACTCCTACCGCT
 ACCCCAGGACAGGCAGCAAGAACCCCAAGATTGCCCTGAAGCTGGCTGAGCTCCAGACGGACATCAGGG
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 ATCGCCCGGGCTGGTGGACACGGGACGGCAAAATATGCCTGGGCCATGTTCTGGACCTCCCGAGCAAC
 GGCTTCAGCTTGTCTCTCCCTGCCCTGCTCTCTCATCCCGCCGTTGAGAGTGAGGCCACGCGGACAGC
 AGCTGCCAGAGCCGTCCCAAGAATGTGACGCCCTTTGTATCTATGAAGAAGTACCAATGTCTGGATC
 AACGTCCACGACATCTTCCACCCGTTTCTCAGGCTGAGGGCCAGCAGGACTTTTGTTCCTTCGTGCCA
 ACGAATGCAAGACTGGCTTCTGCCACCTGTACAGGGTACAGTGGAACTAAAACCAAGGACTATGACTG
 GACGGAACCCCTCAGCCCTACAGAAGATGAGTTTAAAGTGCCTCAAGGAGGAGGTGCGCCTGACCAGT
 GCGGAGTGGGAGGTCTTGTGAGGCATGGCTCCAAGATCTGGGTCAACGAGCAGACGAAGCTGGTGTACT
 TTCAAGGTACAAAGGACACACCCTGGAACATCACCTCTATGTGGTCAGTACGAGTACGAGCGGAGAT
 CGTGGGCTCACCAGCTCGGCTTCTCCACAGCTGCTCCATGAGCCAGAGCTTCGACATGTTCTGTGAGT
 CACTACAGCAGTGTGAGCAGCCACCCTGTGTACATGTGTACAAGCTGAGCGGCCCGATGATGACCCAC
 TGCAAGCAACCACGCTTCTGGCCAGCATGATGGAGGCAAGCAATGCCCCCAAGACTATGTGCCCC
 TGAGATCTTCCACTTCCACACCCGTGCAGACGTGCAGCTCTACGGCATGATCTACAAGCCACACCCCTG
 CAACCTGGGAGGAAGCACCCCACTGTGCTCTTTGTCTATGGGGGCCACAGGTGCAGTTGGTGAACAAC
 CCTTTAAGGGCATCAAATACCTGCGGCTAAATACACTGGCATCCTTGGGCTATGCTGTGGTGGTATCGA
 TGGTGGGGCTCCTGTGACGCGGGCCTGCACCTCGAGGGGGCCCTGAAAAATCAAATGGGCCAGGTGGAG
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 CCATCCATGGCTGGTCTACGGCGGCTTCTCTCACTCATGGGCTCATCCACAAGCCACAAGTGTCAA
 GGTAGCCATTGGGGCGCTCCTGTCAGTGTGGATGGCCTATGACACAGGATACCGGAACGATACATG
 GATGTCCCGAAAATAACCAAGCAAGGCTATGAGGCAAGGCTGTAGCCCTGCATGTGGAGAAGCTGCCCA
 ATGAGCCTAACCCCTGCTTATCCTCCACGGCTTCTGGACGAGAAGCTTCACTTCTTCCACACAATTT
 CCTGGTGTCCAGCTGATCCGAGCAGGAAAGCCATACCAGCTTACAGTCTACCAACGAGAGACATAGC
 ATCCGCTGCCGAGTCCGGAGAGCATTACGAGGTGACGCTGCTGCACCTTCTGCAGGAACACCTG

ACGGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210990 representing NM_172624
Red=Cloning site Green=Tags(s)

MCSGVSPVEQVAAGDMDDTAARFCVQKHSWDGLRSIIHGSRKSSGLIVSKAPHDFQFVQKPDESGPHSHR
LYYLGMPYGSRENSLLYSEIPKKVRKEALLLSWKQMLDHFQATPHHGVSREEELLRERKRLGVFGITS
YDFHSEGLFLFQASNSLFHCRDGGKNGFMVSPMKPLEIKTQCSGPRMDPKICPADPAFFSFINNSDLWV
ANIETGEERRLTFCHQGSAGVLDNPKSAGVATFVIQEEFDRFTGCWWCPTASWEGSEGLKTLRILYEEVD
ESEVEVIHVSPALEERKTDSYRYPRGTGSKNPKIALKLAELQTDHQGKIVSSCEKELVQPFSSLPKVEY
IARAGWTRDGKYAWAMFLDRPQQRLQLVLLPPALFIPAVESEAQRQAAARAVPKNVQPFVIYEEVTNVWI
NVHDIFHPPQAEGQQDFCFLRANECKTGFCHLYRVTVELKTKDYDWTEPLSPTEDEFKCPIKEEVALTS
GEWEVLSRHGSKIWNQTKLVYFQGTKDTPLEHHLVVSYESAGEIVRLTTLGFSHSCSMSQSDFMFVS
HYSSVSTPPCVHVKLSGPDDDLHKQPRFWASMMEAANCPDYVPPEIFHFHTRADVQLYGMIIYKPHTL
QPGRKHPTVLFVYGGPQVQLVNNSFKGIKYLRLNTLASLGYAVVVIDGRGSCQRGLHFEGALKNQMGQVE
IEDQVEGLQYVAEKYGFIDLSRVAIHGWSYGGFLSLMGLIHKPQVFKVAIAGAPVTVMAYDTGYTERYM
DVPENNQGYEAGSVALHVEKLPNEPNRLLILHGFLDENVHFHTNFLVSQLIRAGKPYQLQIYPNERHS
IRCRESGEHYEVTLLHFLQEHL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

ACCN:	NM_172624
ORF Size:	2586 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:	<ol style="list-style-type: none">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_172624.3
RefSeq Size:	3457 bp
RefSeq ORF:	2589 bp
Locus ID:	224897
UniProt ID:	Q8BVG4
Cytogenetics:	17 D
Gene Summary:	Dipeptidyl peptidase that cleaves off N-terminal dipeptides from proteins having a Pro or Ala residue at position 2.[UniProtKB/Swiss-Prot Function]