

Product datasheet for **RG237671**

DPP6 (NM_001290253) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP6 (NM_001290253) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DPP6
Synonyms:	DPL1; DPPX; MRD33; VF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237671 representing NM_001290253. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTTCGCTGTACCAGAGTTCACTGGCAAGATCAACACCTCGAGGTCCTTCCCGCGCCCCGGAG
GCGAGTCACTCCTGGCGGCCAGGGGCCGAGGAGGACGGCGGCAGGAGCCAAGCCCCTCGGCCG
CGGGCGCAGGGCGGCCGCCCGGGAGCGGGCGGGCGGGCGGGCGGGTGGCCGGCCCCGGTTC
CAGTACCAGGCGCGGAGCGATGGTGACGAGGAGGACGAGCTGGTGGGAGTAACCCTCCGAGAGGAAT
TGGAAAGGAATAGCAATTGCACTGCTTGTATTCTGGTCATCTGCTCCTTGATCGTCACCTCGGTCATA
CTTCTGACACCAGCGGAAGATAATAGTCTGTCTCAAAGAAGAAGTCACTGTAGAAGATCTCTCAGT
GAAGACTTCAAAATTCATGACCCGAGGCTAAGTGGATAAGTGATACAGAATTCATCTACAGAGAACAG
AAAGGAACAGTGAGACTGTGAAATGTTGAAACAAATACTTCTACTGTCTTAATAGAAGGCAAAAAATT
GAATCATTAAGAGCCATCAGATATGAAATATCTCCAGATAGAGAGTATGCACTTTTTTACACAATGTG
GAACCCATGAAGAAAGTGAAGTCCAGGAAGTTGACATTGCCTCATTCAAATCATGTGACTCATTAGCA
GTAAGTCAAGCCTGTAGCCAGCTTGTCCAGGGCTGTTTTCTTATTACATCACCATGTCTTCTTCT
CTTCACTGCCTGCGTGACTATGTCTCGGCAGTCAATGGATACAGCACAGCATTGCCAGCTTGCCATGTA
CAAGGGGGACCTGTTTCAGATATTCATGGAGACCCTGGCTGGAGATTGCAGGAGAGTCCCAGGAGGC
AGGACTGCCAATGGCACCAGGCTTCGCAGCCATGCACCTGCAGCCCTCAGGCAGCACTGTCCATTGTCA
TACGAGTGTGGCAGGTGTGAGGCATCGCATCTGCTCACCCGGGGATAATGCACAGCAGCTACAGGCAG
ATTTCCGGGCCAGAGAGCAACCGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237671
 Blue=ORF Red=Cloning site Green=Tag(s)

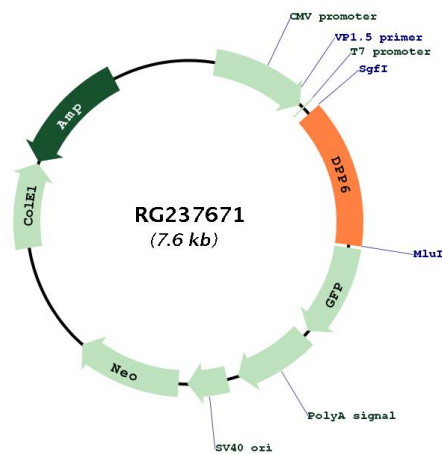
MASLYQRFTGKINTSRSFAPPEASHLLGGQGPEEDGGAGAKPLGPRAQAAAPRERGGGGGAGGRPRF
 QYQARSDGDEEDELVGSNPPQRNWKGIALLVILVICSLIVTSVILLTPAEDNSLSQKKKVTVDLFS
 EDFKIHDPEAKWISDTEFIYREQKGTVRLWVETNTSTVLEGGKIESLRAIRYEISPDREYALFSYNV
 EPMKKVKSRKLTLPHSKCDLAVSQACSPACHQGCFLHYITMSLPLHCLRDYVSAVNGYSTALPACHV
 QGGPVSDIPWRPWLEDCCRVPGGRTANGTRLRSHAPAAALRQHCPLSYECGRCEASHLLTPGIMHSSYRQ
 ISGQRATE
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001290253
ORF Size:	1059 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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).
RefSeq:	NM_001290253.2
RefSeq Size:	2066 bp
RefSeq ORF:	1062 bp
Locus ID:	1804
Cytogenetics:	7q36.2
Protein Families:	Druggable Genome, Protease, Transmembrane
MW:	39.1 kDa
Gene Summary:	<p>This gene encodes a single-pass type II membrane protein that is a member of the peptidase S9B family of serine proteases. This protein has no detectable protease activity, most likely due to the absence of the conserved serine residue normally present in the catalytic domain of serine proteases. However, it does bind specific voltage-gated potassium channels and alters their expression and biophysical properties. Variations in this gene may be associated with susceptibility to amyotrophic lateral sclerosis and with idiopathic ventricular fibrillation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]</p>