

Product datasheet for RC237671

DPP6 (NM_001290253) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP6 (NM_001290253) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DPP6
Synonyms:	DPL1; DPPX; MRD33; VF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC237671 representing NM_001290253 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCGCTGTACCAGAGTTCACTGGCAAGATCAACACCTCGAGGTCTTCCCCGGCCCCGGAGG
CGAGTCACCTCTGGCGGCCAGGGCCCCGAGGAGGACGGCGGCCGAGGACCAAGCCCCCGGCCCGCG
GGCGCAGCGCGGCCCGCCGGGAGCGCGGCCGGCGGCCGGCGGGTGGCCGGCCCCGGTCCAG
TACCAGGCGGGAGCGATGGTGACGAGGAGGACGAGCTGGTGGGAGTAACCCTCCGAGAGGAATTGGA
AAGGAATAGCAATTGCACTGCTTGTCTTCTGGTCATCTGCTCCTTGATCGTCACCTCGGTCATACTTCT
GACACCAGCGGAAGATAATAGTCTGTCTCAAAGAAGAAGGTCACTGTAGAAGATCTCTCAGTGAAGAC
TTCAAATTCATGACCCCGAGGCTAAGTGATAAGTGATACAGAATTCATCTACAGAGAACAGAAAGGAA
CAGTGAGACTGTGGAATGTTGAAACAAATCTTACTGTCTTAATAGAAGGCAAAAAATTGAATCATT
AAGAGCCATCAGATATGAAATATCTCCAGATAGAGAGTATGCACTTTTTTCATACAATGTGGAACCCATG
AAGAAAGTGAAGTCCAGGAAGTTGACATTGCCTCATTCAAATCATGTGACTCATTAGCAGTAAGTCAAG
CCTGTAGCCAGCTTGTACACAGGGCTGTTTTCTTATTACATCACCATGTCTTCTCTTCACTGCCT
GCGTGACTATGTCTCGGCAGTCAATGGATACAGCACAGCATTGCCAGCTTGCCATGTACAAGGGGACCT
GTTTCAGATATTCATGGAGACCCTGGCTGGAGATTGCAGGAGTCCCAGGAGGCAGGACTGCCAATG
GCACCAGCTTCGAGCCATGCACCTGCAGCCCTCAGGCAGCACTGTCCATTGTACATACGAGTGTGGCAG
GTGTGAGGCATCGCATCTGCTCACCCCGGGGATAATGCACAGCAGCTACAGGCAGATTTCCGGCCAGAGA
GCAACCGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC237671 representing NM_001290253
 Red=Cloning site Green=Tags(s)

MASLYQRFTGKINTSRSPAPPEASHLLGGQGPEEDGGAGAKPLGPRAQAAAPRERGGGGGGAGGRPRFQ
 YQARSDGDEEDELVGSNPPQRNWKGIALLVILVICSLIVTSVILLTPAEDNSLSQKKKVTVEDLFS
 ED FKIHDPKAWISDTEFIYREKQGTVRLWNVETNTSTVLIEGKKIESLRAIRYEISPDREYALFSYNVEPM
 KKVKSRKLTLPKSKCDSLAVSQACSPACHQGCFLHYITMSLPLHCLRDYVSAVNGYSTALPACHVQGGP
 VSDIPWRPWLEDCRRVPGGRTANGTRLRSHAPAALRQHCPLSYECGRCEASHLLTPGIMHSSYRQISGQR
 ATE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001290253

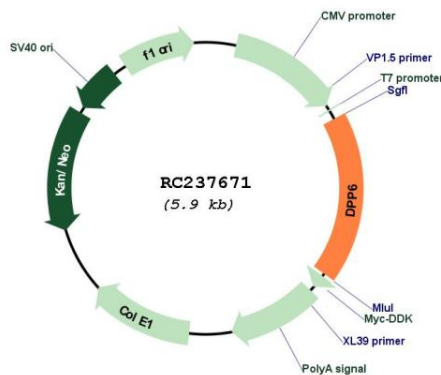
ORF Size: 1059 bp

OTI Disclaimer: 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.

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:	<u>NM_001290253.2</u>
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:	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]

Product images:


Circular map for RC237671