

Product datasheet for **RG204237**

DPP2 (DPP7) (NM_013379) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP2 (DPP7) (NM_013379) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DPP2
Synonyms:	DPP2; DPPII; QPP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG204237 representing NM_013379
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGGCTCCGCTCCCTGGGCCCCGCTCCTGCTGCTGGCGCTCGGGCTGCGCGCCTCCAGCGGGGGCCC
 GCAGGGCCCCGGACCCCGCTTCCAGGAGCGCTTCTTCCAGCAGCGTCTGGACCATTCAACTTCGAGCG
 CTTCCGGCAACAAGACCTTCCCCAGCGCTTCTGGTGTGCGACAGGTTCTGGGTCCGGGGCGAGGGGCC
 ATCTTCTTCTACACTGGGAACGAGGGCGACGTGTGGGCTTCGCCAACAACTCGGGCTTCGTCGCGGAGC
 TGGCGGCCGAGCGGGGGGCTCTACTGGTCTTCGCGGAGCACCGCTACTACGGGAAGTCGTCGCCGTTCCG
 TGCGCAGTCCACGCAGCGCGGGCACACGGAGCTGCTGACGGTGGAGCAGGCCCTGGCCGACTTCGCAGAG
 CTGCTCCGCGCGTACGACGCGACCTCGGGGCCAGGATGCCCCGCCATCGCTTCGGTGAAGTTATG
 GGGGATGCTCAGTGCCTACCTGAGGATGAAGTATCCCCACCTGGTGGCGGGGGCGCTGGCGCCAGCGC
 GCCGTTCTAGCTGTGGCAGGCCTCGGCGACTCCAACCAGTTCTCCGGGACGTACGGCGGACTTTGAG
 GGCCAGAGTCCCAATGCACCCAGGGTGTGCGGGAAGCGTTCCGACAGATCAAGGACTTGTCTACAGG
 GAGCCTACGACACGGTCCGCTGGGAGTTCGGCACCTGCCAGCCGCTGTCAGACGAGAAGGACCTGACCCA
 GCTCTTCATGTTCCGCCGAATGCCTTACCCTGCTGGCCATGATGGACTACCCCTACCCCACTGACTTC
 CTGGGTCCCCTCCCTGCCAACCCCGTCAAGGTGGGCTGTGATCGGCTGCTGAGTGAGGCCAGAGGATCA
 CGGGGCTGCGAGCACTGGCAGGGCTGGTCTACAACGCCTCGGGCTCCGAGCACTGCTACGACATCTACCG
 GCTCTACCACAGTGTGCTGACCCCACTGGTGGCGCACCGGCCCGACGCCAGGGCTGGGACTACCA
 GCCTGCACCGAGATCAACCTGACCTTCGCCAGCAACAATGTGACCGATATGTTCCCGACCTGCCCTTCA
 CTGACGAGCTCCGCCAGCGGTACTGCCTGGACACCTGGGGCGTGTGGCCCCGGCCGACTGGCTGCTGAC
 CAGCTTCTGGGGGGGTGATCTCAGAGCCGCCAGCAACATCATCTTCTCCAACGGGAACCTGGACCCCTGG
 GCAGGGGGCGGGATTTCGAGGAACCTGAGTGCCTCAGTCATCGCCGTACCATCCAGGGGGAGCGCACC
 ACCTCGACCTCAGAGCCTCCACCCAGAAGATCTGCTTCCGTGGTTGAGGCGCGGAAGCTGGAGGCCAC
 CATCATCGGCGAGTGGTAAAGGCAGCCAGGCGTGAGCAGCAGCCAGCTCTGCGTGGGGGCCAGACTC
 AGCCTC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG204237 representing NM_013379
 Red=Cloning site Green=Tags(s)

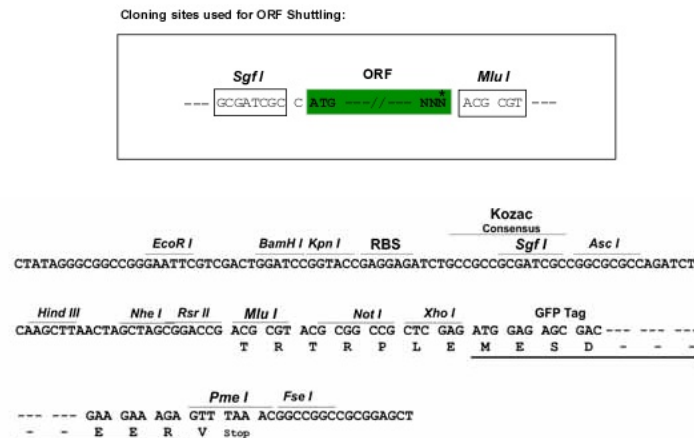
MGSAPWAPVLLLALGLRGLQAGARRAPDPGFQERFFQQRLDHFNFERFGNKTFPQRFLVSDRFWVRGEGP
 IFFYTGNEGDVWAFANNSGFVAELAAERGALLVFAEHRYYGKSLPFGAQSTQRGHTTELLTVEQALADFAE
 LLRALRRDLGAQDAPAIAFGGSYGML SAYLRMKYPHLVAGALAASAPVLAVAGLDSNQFFRDVTADFE
 GQSPKCTQGVREAFRQIKDLFLQAYDTRWEFGTCQPLSDEKDLTQLFMFARNAFTVLAMMDYPYPTDF
 LGPLPANPVKVGCDRLLEAQRITGLRALAGLVYNASGSEHCYDIYRLYHSCADPTGCGTGPDARAWDYQ
 ACTEINLTFASNVTDMFPDLPTDELQRQYCLDTGWVWPRPDWLLTSFWGGDLRAASNIIFSNGNLDPW
 AGGGIRRNL SASVIAVTIQGGAHLLDLRASHPEDPASVVEARKLEATIIGEWVKAARREQQPALRGPPRL
 SL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_013379

ORF Size: 1476 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_013379.2](#), [NP_037511.2](#)

RefSeq Size: 1633 bp

RefSeq ORF: 1479 bp

Locus ID: 29952

UniProt ID: [Q9UHL4](#)

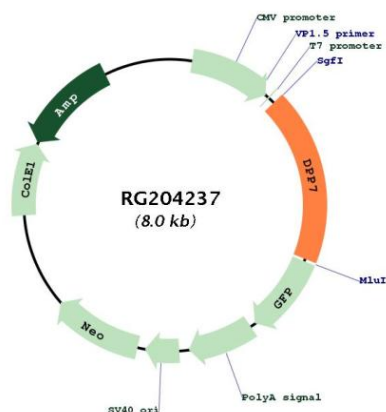
Cytogenetics: 9q34.3

Domains: abhydrolase

Protein Families: Protease

Gene Summary: The protein encoded by this gene is a post-proline cleaving aminopeptidase expressed in quiescent lymphocytes. The resting lymphocytes are maintained through suppression of apoptosis, a state which is disrupted by inhibition of this novel serine protease. The enzyme has strong sequence homology with prolylcarboxypeptidase and is active at both acidic and neutral pH. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204237