

Product datasheet for **RG205435**

DPP10 (NM_020868) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP10 (NM_020868) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DPP10
Synonyms:	DPL2; DPPY; DPRP-3; DPRP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205435 representing NM_020868
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCAAACCTGCCAGCGTGTCCCATCACATCAAGTGTCAACCCCTAAAAACAATCAAGGAACCTGGGAA
 GTAACAGCCCTCCACAGAGAACTGGAAGGAATTGCTATTGCTCTGCTGGTGATTTTAGTTGATGCTC
 ACTCATCACTATGTCAGTCATCCTCTTAACCCAGATGAACTCACAATTCGTCAGAAACAGATTGCTC
 TTGGAAGACCTCTTAGGAAAGACTTTGTGCTTCCAGTCCAGAGGCTCGGTGGATCAATGATACAGATG
 TGGTGTATAAAAGCGAGAATGGACATGTCATTAACCTGAATATAGAAACAAATGCTACCACATTATTATT
 GGAAAACACAACCTTTGTAACTTCAAAGCATCAAGACATTCAGTTTCACCAGATTTAAATATGTCCTT
 CTGGCATATGATGTCAAACAGATTTTTCATTATTCATATACTGCTTCATATGTGATTTACAACATACACA
 CTAGGGAAGTTTGGGAGTTAAATCCTCCAGAAGTAGAGGACTCCGTCTTGCAGTACGCGGCTGGGGTGT
 CCAAGGCGAGCAGCTGATTTATTTTTGAAAATAATATCTACTATCAACCTGATATAAAGAGCAGTTCA
 TTGCGACTGACATCTTCTGGAAAAGAAGAAATAATTTTTAATGGGATTGCTGACTGGTTATATGAAGAGG
 AACTCCTGCATTCTCACATCGCCCACTGGTGGTACCAGATGGAGAAAGACTTGCCTTCTGATGATAAA
 TGACTCTTTGGTACCCACCATGTTATCCCTCGGTTTACTGGAGCGTTGTATCCCAAAGGAAAGCAGTAT
 CCGTATCCTAAGGCAGGTCAAATGAACCAACAATAAAATTTATATGTTGTAACCTGTATGGACCAACTC
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 AAGCAATACCAAGACTGTGGTAAGATGGTTAAACCGAGCTCAGAACATCTCCATCCTCACAGTCTGTGAG
 ACCACTACAGGTGCTTGTAGTAAAAATATGAGATGACATCAGATACGTGGCTCTCTCAGCAGAATGAGG
 AGCCCGTGTCTTAGAGACGGCAGCAAATCTTTATGACAGTGCCTGTTAAGCAAGGGGACGTGGAGA
 ATTTACACACATAGCTATGTTCCCTCATCCAGAGTAAAAGTAGCAAAATTACCGTGCGGCATCTGACATCA
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 TTATTCTGTGAAGGTCCAAGGTCCCAGTGGTACAGCTACATAGTACGGACAACCCAGCAAAATATTTTA
 TATTGAAAGCAATTTCTATGCTGAAGGAAGCTATCCTGAAGAAGAAGATAGGAAAGCCAGAAATTTAAAT
 CCTTCATATTGACGACTATGAATTCCTTTACAGTTGTCCCTTCCCAAAGATTTTATGGACCGAAACCAG
 TATGCTCTTCTGTTAATAATGGATGAAGAACCAGGAGCCAGCTGTTACAGATAAGTTCCATATTGACT
 GGGATTCCGTAATGACATGGATAATGTCATTGTAGCAAGATTTGATGGCAGAGGAAGTGGATTCCA
 GGGTCTGAAAATTTTGCAGGAGATTCATCGAAGATTAGGTTTCAAGTAAAGGACCAATAACAGCT
 GTGAAATTTTGTGAAACTGCCTTACATTGACTCCAAAAGATTAAGCATTTTGGAAAGGGTTATGGTG
 GCTATATTGCATCAATGATCTTAAATCAGATGAAAAGCTTTTTAAATGTGGATCCGTGGTTGCACCTAT
 CACAGACTTGAATTTGATGCCTCAGCTTTCTCTGAAAGATACCTTGGGATGCCATCTAAGGAAGAAAGC
 ACTTACCAGGCAGCCAGTGTGCTACATAATGTTTATGGCTTGAAGAAGAAAATATATTAATAATTTCATG
 GAATGCTGACACAAAAGTTCAATTTCCAACACTCAGCAGAATTAATCAAGCACCTAATAAAGCTGGAGT
 GAATTATACTATGCAGGTCTACCCAGATGAAGGTCATAACGTATCTGAGAAGAGCAAGTATCATCTCTAC
 AGCAAACTCCTCAAATTTCTCAGTGATTGTTTGAAGGAAGAAATATCTGTGCTACCACAGGAACCCAGAAG
 AAGATGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205435 representing NM_020868
Red=Cloning site Green=Tags(s)

MNQTASVSHHIKCQPSKTIKELGSNSPPQRNWGIAIALLVILVVCSLITMSVILLTPDEL TNSSETRLS
LEDLFRKDFVLHDPEARWINDTDVVYKSENGHVIKLNIE TNATLLLENTTFVTFKASRHSVSPDLKYVL
LAYDVKQIFHYSY TASYVIYNIHTREVWELNPPEVEDSVLQYAAWGVQGGQLIYIFENNIYYQDIKSSS
LRLTSSGKEEII FNGIADWLYEEELLHSHIAHWWSPDGERLAFLMINDSLVPTMVI PRFTGAL YPKGKQY
PYPKAGQMNPTIKLYVVNLYGPTHLELMPPDSFKSREYYITMVKWSNTKT VVRWLNRAQNISILTVCE
TTTGACSKKYEMTSDTWLSQQNEEPVFSRDGSKFFMTVPVKQGGRGEFH HIAMFLIQSKSEQITVRHLTS
GNWEVIKILAYDETTQKIYFLSTESSPRGRQLYSASTEGLLNRQCISCNFMKEQCTYFDASFPMNQHFL
LFCEGPRVPVSLHSTDNPAKYF ILESNSMLKEAILKKKIGKPEIKILHIDDYELPLQLSLPKDFMDRNQ
YALLLIMDEEPGGQLVTDKFHIDWDSVLIDMDNVIVARFDGRGSGFQGLKILQEIHRR LGSVEVKDQITA
VKFLLKLPYIDSKRLSIFGKGYGGYIASMILKSDEKLFKCGSVVAPITDLKLYASAFSERYLGMPSKEES
TYQAASVLHNVHGLKEENILIIHG TADTKVHFQHS AELIKHLIKAGVNYTMQVYPDEGHNVSEKSKYHLY
STILKFFSDCLKEEISVLPQEPEEDE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_020868.1](#)

RefSeq Size: 4863 bp

RefSeq ORF: 2391 bp

Locus ID: 57628

UniProt ID: [Q8N608](#)

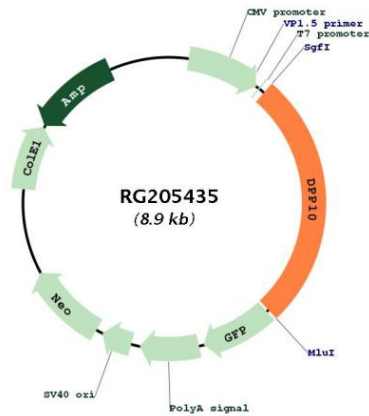
Cytogenetics: 2q14.1

Domains: Peptidase_S9, DPP1V_N_term

Protein Families: Druggable Genome, Protease, Transmembrane

Gene Summary: This gene encodes a single-pass type II membrane protein that is a member of the S9B family in clan SC of the 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. Mutations in this gene have been associated with asthma. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG205435