

## Product datasheet for **RG225883**

### **DPEP3 (NM\_001129758) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DPEP3 (NM_001129758) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DPEP3
Synonyms:	MBD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG225883 representing NM\_001129758  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATCCGGACCCATTGTCGGCCTCTGCCATCGCCTGCTCCTCCAGGCTCCCGGGCCGACCCCGC  
 GCAACATGCAGCCACGGGCCGCGAGGGTTCGCCGCGCTCAGCCGGCGGTATCTCGGGCTCTGCTGCT  
 CCTGCTACTGCTGCTGCTGCTGCGGCAGCCGTAACCCGCGCGGAGACCACGCCGGGCGCCCCAGAGCC  
 CTCTCCACGCTGGGCTCCCCAGCCTCTTACCACGCGGGGTGTCCCGAGCGCCCTACTACCCAGGCC  
 TCACTACGCCAGGCACCCCAAAACCTGGACCTTCGGGGTTCGCGCGCAGGCCCTGATGCGGAGTTTCC  
 ACTCGTGGACGGCCACAATGACCTGCCCGAGTCTGAGACAGCGTTACAAGAATGTGCTTCAGGATGTT  
 AACCTGCGAAATTCAGCCATGGTCAGACCAGCCTGGACAGGCTTAGAGACGGCCTCGTGGGTGCCAGT  
 TCTGGTCAGCCTCCGCTCATGCCAGTCCAGGACCAGACTGCCGTGCGCCTCGCCCTGGAGCAGATTGA  
 CCTCATTACCGCATGTGTGCCTCTACTCTGAACTCGAGCTTGTGACCTCAGCTGAAGGCTGAACAGC  
 TCTCAAAAGCTGGCCTGCCTCATTGGCGTGGAGGGTGGTCACTCACTGGACAGCAGCCTCTCTGTGCTGC  
 GCAGTTTCTATGTGCTGGGGTGCCTACCTGACACTTACCTTCACTGCAGTACACCATGGGCAGAGAG  
 TTCCACCAAGTTCAGACACCACATGTACACCAACGTCAGCGGATTGACAAGCTTTGGTGAGAAAGTAGTA  
 GAGGAGTTGAACCGCCTGGGCATGATGATAGATTTGTCCTATGCATCGGACACCTTGATAAGAAGGGTCC  
 TGGAAAGTGTCTCAGGCTCCTGTGATCTTCTCCACTCAGCTGCCAGAGCTGTGTGTGACAATTTGTTGAA  
 TGTTCCCGATGATATCCTGCAGCTTCTGAAGAACGGTGGCATCGTGATGGTGACACTGTCCATGGGGTG  
 CTCGAGTGCAACCTGCTTGCTAACGTGTCCACTGTGCCAGATCACTTTGACCACATCAGGGCAGTCATTG  
 GATCTGAGTTTATCGGGATTGGTGAAAATTATGACGGGACTGGCCGGTTCCTCAGGGCTGGAGGATGT  
 GTCCACATACCCAGTCTGATAGAGGAGTTGCTGAGTCGTAGCTGGAGCGAGGAAGAGCTTCAAGGTGTC  
 CTTCTGTGAAACCTGCTGCGGGTCTTACAGACAAGTGAAAAGGTGAGAGAGGAGAGCAGGGCCGAGAGCC  
 CCGTGGAGGCTGAGTTTCCATATGGGCAACTGAGCACATCCTGCCACTCCCACCTCGTGCCTCAGAAATGG  
 ACACCAGGCTACTCATCTGGAGGTGACCAAGCAGCCAACCAATCGGGTCCCCTGGAGGCTCTCAAAATGCC  
 TCCCCATACCTTGTCCAGGCCTGTGGCTGCTGCCACCATCCCAACCTTCACCAGTGGCTCTGC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG225883 representing NM\_001129758  
 Red=Cloning site Green=Tags(s)

MIRTPLSASAHRLLLPGSRGRPPRNMQPTGREGRALSRRYLRLLLLLLLLLLLLLQPVTRAETTPGAPRA  
 LSTLGSPSLFTTPGVPSALTTPLTTPGTPKTLDLRGRAQALMRSFPLVDGHNDLPQVLRQRYKNVLQDV  
 NLRNFVSHGQTSLDRLRDGLVGAQFWSASVSCQSQDQTAVRLALEQIDL IHRMCASYSELELVTSAEGLNS  
 SQKLACLIGVEGGHSLDSSLVLRFSFYVLGVRYLTLTFTCSTPWAESSTKFRHHMYTNVSGLT SFGEKVV  
 EELNRLGMMIDL SYASDTL IRRVLEVSQAPVIFSHSAARAVCDNLLNVPDDILQLLKNGGIVMVTLSMGV  
 LQCNLLANVSTVADHFDHIRAVIGSEF IGIGGNYDGTGRFPQGLEDVSTYPVLEIELLSRSWSEELQGV  
 LRGNLLRVFRQVEKVRRESRAQSPVEAEFPYQQLSTSCHSHLVPQNGHQATHLEVTKQPTNRVPPWRSSNA  
 SPYLVPLVAAATIPTFTQWLC

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001129758

**ORF Size:** 1536 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.

**RefSeq:** [NM\\_001129758.1](#), [NP\\_001123230.1](#)

**RefSeq Size:** 1753 bp

**RefSeq ORF:** 1464 bp

**Locus ID:** 64180

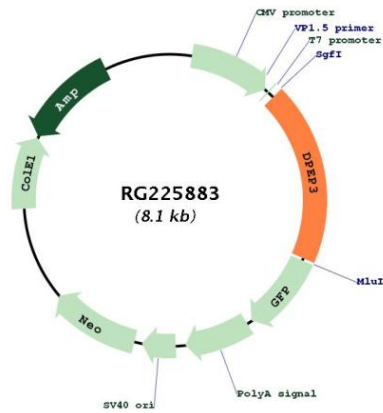
**UniProt ID:** [Q9H4B8](#)

**Cytogenetics:** 16q22.1

**Protein Families:** Druggable Genome, Protease

**Gene Summary:** This gene encodes a membrane-bound glycoprotein from the family of dipeptidases involved in hydrolytic metabolism of various dipeptides, including penem and carbapenem beta-lactam antibiotics. This gene is located on chromosome 16 in a cluster with another member of this family. Alternatively spliced transcript variants that encode different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG225883