

## Product datasheet for **SC323114**

### DPEP3 (NM\_001129758) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DPEP3 (NM_001129758) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPEP3
Synonyms:	MBD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC323114 representing NM\_001129758.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCCGGACCCATTGTGGCCTCTGCCATCGCCTGCTCCTCCAGGCTCCCGGGCCGACCCCG
CGCAACATGCAGCCACGGGCCGCGAGGGTTCCCGCGCGCTCAGCCGGCGGTATCTGCGGGTCTGCTG
CTCCTGCTACTGCTGCTGCTGCTGCGGCAGCCCGTAACCCGCGCGGAGACCAGCCGGGCCGCCAGAG
GCCCTCTCCACGCTGGGCTCCCCAGCCTCTTACCACGCGGGTGTCCCAGCGCCCTACTACCCCA
GGCCTCACTACGCCAGGCACCCCAAAACCTGGACCTTCGGGGTTCGCGCGCAGGCCCTGATGCGGAGT
TCCCCTCGTGGACGGCCACAATGACCTGCCCCAGGTCCTGAGACAGCGTTACAAGAATGTGCTTCAG
GATGTTAACTGCGAAATTTAGCCATGGTCAGACCAGCCTGGACAGGCTTAGAGACGGCCTCGTGGGT
GCCAGTTCGTTGCTCAGCCTCCGTCATGCCAGTCCCAGGACCAGACTGCCGTGCGCCTCGCCCTGGAG
CAGATTGACCTCATTACCGCATGTGTGCCTCCTACTCTGAACCTCGAGCTTGTGACCTCAGCTGAAGGT
CTGAACAGCTCTCAAAGCTGGCCTGCCTCATTGGCGTGGAGGGTGGTCACTCACTGGACAGCAGCCTC
TCTGTGCTGCGCAGTTTCTATGTGCTGGGGTGCCTACCTGACACTTACCTTCACTGCAGTACACCA
TGGGCAGAGAGTTCCACCAAGTTCAGACACCACATGTACACCAACGTGACCGGATTGACAAGCTTTGGT
GAGAAAGTAGTAGAGGAGTTGAACCGCCTGGGCATGATGATAGATTTGTCTATGCATCGGACACCTTG
ATAAGAAGGGTCTGGAAGTGTCTCAGGCTCCTGTGATCTTCTCCCACTCAGTGCAGAGCTGTGTGT
GACAATTTGTTGAATGTTCCCGATGATATCCTGCAGCTTCTGAAGAACGGTGGCATCGTGTGTTGACA
CTGTCCATGGGGTGTGTCAGTGAACCTGCTTGCTAACGTGTCCACTGTGGCAGATCACTTTGACCAC
ATCAGGGCAGTCATTGGATCTGAGTTCATCGGGATTGGTGGAAATTATGACGGGACTGGCCGGTTCCCT
CAGGGCTGGAGGATGTGTCCACATACCCAGTCTGATAGAGGAGTTGCTGAGTGTGCTGAGAGCAG
GAAGAGCTTCAAGGTGTCTTCCGTGAAACCTGCTGCGGGTCTTACAGACAAGTGGAAAAGGTGAGAGAG
GAGAGCAGGGCGCAGAGCCCGTGGAGGCTGAGTTCCATATGGGCAACTGAGCACATCCTGCCACTCC
CACCTCGTGCCTCAGAATGGACACCAGGCTACTCATCTGGAGGTGACCAAGCAGCAACCAATCGGGTC
CCCTGGAGGCTCTCAAATGCCTCCCATACCTTGTCCAGGCCTTGTGGCTGCTGCCACCATCCCAAC
TTCACCCAGTGGCTCTGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001129758
- Insert Size:** 1539 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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](#)

**RefSeq Size:** 1753 bp

**RefSeq ORF:** 1539 bp

**Locus ID:** 64180

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

**Cytogenetics:** 16q22.1

**Protein Families:** Druggable Genome, Protease

**MW:** 56.3 kDa

**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]  
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the mid-coding region, compared to variant 1, resulting in an isoform (b) that is 1 aa shorter, compared to isoform a. ##RefSeq-Attributes-START## CDS uses downstream in-frame AUG :: upstream AUG and CDS extension is not conserved RefSeq Select criteria :: based on conservation ##RefSeq-Attributes-END## COMPLETENESS: complete on the 3' end.