

Product datasheet for **SC125567**

DPEP3 (NM_022357) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPEP3 (NM_022357) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPEP3
Synonyms:	MBD3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_022357, the custom clone sequence may differ by one or more nucleotides

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ATGATCCGGACCCCAATTGTGGCCTCTGCCATCGCCTGCTCCTCCCAGGCTCCCGCGGCCGACCCCGC
GCAACATGCAGCCACGGGCCCGAGGGTTCCCGCGCCTCAGCCGGCGGTATCTGCGGCGTCTGCTGCT
CCTGCTACTGCTGCTGCTGCTGCGGCAGCCCGTAACCCGCGGGAGACCACGCCGGCGCCCCAGAGCC
CTCTCCACGCTGGGCTCCCCAGCCTCTTACCACGCCGGGTGTCCCAGCGCCCTCACTACCCAGGCC
TCACTACGCCAGGCACCCCAAAACCCTGGACCTTCGGGGTTCGCGCGCAGGCCCTGATGCGGAGTTCC
ACTCGTGGACGGCCACAATGACCTGCCAGGTCTGAGACAGCGTTACAAGAATGTGCTTCAGGATGTT
AACCTGCGAAATTCAGCCATGGTCAGACCAGCCTGGACAGGCTTAGAGACGGCCTCGTGGGTGCCAGT
TCTGGTCAGCCTCCGCTCATGCCAGTCCAGGACCAGACTGCCGTGCGCCTCGCCCTGGAGCAGATTGA
CCTCATTACCCGATGTGTGCCTCTACTCTGAACTCGAGCTTGTGACCTCAGCTGAAGGTCTGAACAGC
TCTCAAAGCTGGCCTGCCTCATTGGCGTGGAGGGTGGTCACTCACTGGACAGCAGCCTCTCTGTGCTGC
GCAGTTTCTATGTGCTGGGGTTCGCTACCTGACACTTACCTTACCTGCAGTACACCATGGGCAGAGAG
TTCCACCAAGTTCAGACACCACATGTACACCAAGTTCAGCGGATTGACAAGCTTTGGTGAGAAAGTAGTA
GAGGAGTTGAACCGCCTGGGCATGATGATAGATTTGTCCTATGCATCGGACACCTTGATAAGAAGGGTCC
TGAAGTGTCTCAGGCTCCTGTGATCTTCTCCACTCAGCTGCCAGAGCTGTGTGTGACAATTTGTTGAA
TGTTCCCGATGATATCCTGCAGCTTCTGAAGAAGAACGGTGGCATCGTGTGACTGTCCATGGGG
GTGCTGCAGTGAACCTGCTTGTAACTGTCCACTGTGGCAGATCACTTTGACCACATCAGGGCAGTCA
TTGGATCTGAGTTCATCGGGATTGGTGGAAATATGACGGGACTGGCCGGTCCCTCAGGGGCTGGAGGA
TGTGTCCACATACCCAGTCTGATAGAGGAGTTGCTGAGTCGTAGCTGGAGCGAGGAAGAGCTTCAAGGT
GTCTCTGTGAAACCTGCTGCGGGTCTTCAGACAAGTGGAAAAGGTGAGAGAGGAGCAGGGCCGAGA
GCCCGTGGAGGCTGAGTTCCATATGGGCAACTGAGCACATCCTGCCACTCCCAGCTCGTGCCTCAGAA
TGGACACCAGGCTACTCATCTGGAGGTGACCAAGCAGCCAACCAATCGGGTCCCTGGAGGTCTCAAAT
GCCTCCCATACCTTGTCCAGGCTTGTGGTCTGCCACCATCCCAACCTTACCCAGTGGCTGTGCT
GA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022357 unedited

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GACTTACGGCTAGCACCCTACGGTTCGATTTTCAGTGACACTATCCAACAGTTTGTACAAA
AAACGGCTGGTACCCGGTCCGGAATTCCTGGGATGTCGTATGATCCGGACCCCAATTGTC
GGCCTCTGCCATCGCCTGCTCCTCCCAGGCTCCCGCGGCCGACCCCGCGCAACATGCA
GCCACGGGCCCGAGGGTTCCCGCGCCTCAGCCGGCGGTATCTGCGGCGTCTGCTGCT
CCTGCTACTGCTGCTGCTGCTGCGGCAGCCCGTAACCCGCGGGAGACCACGCCGGGCGC
CCCCAGAGCCCTCTCCACGCTGGGCTCCCCAGCCTCTTACCACGCCGGGTGTCCCCAG
CGCCCTCACTACCCAGGCTCACTACGCCAGGCACCCCAAAACCCTGGACCTTCGGGG
TCGCGCGCAGGCCCTGATGCGGAGTTTCCCACTCCTGGACGGCCACAATGACCTGCCCA
GGTCTGAGACAGCGTTACAAGAATGTGCTTCAGGAGGGTAACCTGCGAAATTTAGCCA
TGGTCAGACCAGCCTGGACAGGCTTAGAGACGGCCTCGTGGGTGCCAGTTCTGGTGAGC
CTCCGTCTCAGGCCACTCCAGGACCAGACTGCCGTGCGCCTCGGCTGGGACAGATTGA
CCTCATTAAACCGAATGTGTGGCCCTAGTTGGAAGCCAGCTTGGGGCCCTACCCGAAGG
TAAGACGGGTCTGAAACGAGGGCCGCCGGATGGCGTGGAGGGTGGTACGGCACCGG
ACGGCGGCTTTCTCGACCCGGCCTGTGAAACGGCTGAGGGTGGAGACCTGAAAGGGACT
ACACGAGGGAGGGAGGGAGGGGAGGGTGGGGGGGGGGGGGGGGGGTGGATACCTTCC
AGGGGAGGGCGGAGATCGTGGAGACGGGG
    
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Restriction Sites:

Please inquire

ACCN:

NM_022357

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](#)

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_022357.1](#), [NP_071752.1](#)

RefSeq Size: 1756 bp

RefSeq ORF: 1542 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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). CCDS Note: The translation start codon selected for this CCDS is conserved in primates. A possible downstream translation start codon, which is better conserved across species and is consistent with the dipeptidase 2 family member, would reduce the protein length by 25 aa. No experimental evidence exists regarding which start codon is used.