

Product datasheet for **RC209225**

DPEP3 (NM_022357) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPEP3 (NM_022357) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DPEP3
Synonyms:	MBD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC209225 representing NM_022357
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCCGGACCCATTGTCGGCCTCTGCCATCGCCTGCTCCTCCAGGCTCCCGGGCCGACCCCGC
 GCAACATGCAGCCACGGGCCGGAGGGTTCCCGCGCGCTCAGCCGGCGGTATCTGCGGCGTCTGCTGCT
 CCTGCTACTGCTGCTGCTGCTGCGGCAGCCCGTAACCCGCGCGGAGACCACGCCGGGCGCCCCAGAGCC
 CTCTCCACGCTGGGCTCCCCAGCCTCTTACCACGCCGGGTGTCCCGAGCGCCCTCACTACCCAGGCC
 TCACTACGCCAGGCACCCCAAAACCTGGACCTTCGGGGTGCAGCGCAGGCCCTGATGCGGAGTTTCCC
 ACTCGTGGACGGCCACAATGACCTGCCCGAGTCTGAGACAGCGTTACAAGAATGTGCTTCAGGATGTT
 AACCTGCGAAATTCAGCCATGGTCAGACCAGCCTGGACAGGCTTAGAGACGGCCTCGTGGGTGCCAGT
 TCTGGTCAGCCTCCGCTCATGCCAGTCCAGGACCAGACTGCCGTGCGCCTCGCCCTGGAGCAGATTGA
 CCTCATTACCGCATGTGTGCCTCTACTCTGAACTCGAGCTTGTGACCTCAGCTGAAGGTCTGAACAGC
 TCTCAAAAGCTGGCCTGCCTCATTGGCGTGGAGGGTGGTCACTCACTGGACAGCAGCCTCTCTGTGCTGC
 GCAGTTTCTATGTGCTGGGGTGCCTACCTGACACTTACCTTCACTGCAGTACACCATGGGCAGAGAG
 TTCCACCAAGTTCAGACACCACATGTACACCAACGTGACGGATTGACAAGCTTTGGTGAGAAAAGTGA
 GAGGAGTTGAACCGCCTGGGCATGATGATAGATTTGTCCTATGCATCGGACACCTTGATAAGAAGGGTCC
 TGGAAAGTGTCTCAGGCTCCTGTGATCTTCTCCACTCAGCTGCCAGAGCTGTGTGTGACAATTTGTTGAA
 TGTTCCCGATGATCCTGCAGCTTCTGAAGAAGAACGGTGGCATCGTATGGTACACTGTCCATGGGG
 GTGCTGCAGTCAACCTGCTTGTAAACGTGTCCACTGTGGCAGATCACTTTGACCACATCAGGGCAGTCA
 TTGGATCTGAGTTCATCGGGATTGGTGGAAATTAAGCGGGACTGGCCGGTCCCTCAGGGCTGGAGGA
 TGTGTCCACATACCCAGTCTGATAGAGGAGTTGCTGAGTCGATAGCTGGAGCGAGGAAGAGCTTCAAGGT
 GTCCTTCTGTGAAACCTGCTGCGGGTCTTCCAGCAAGTGGAAAAGGTGAGAGAGGAGAGCAGGGCCAGA
 GCCCGTGGAGGCTGAGTTTCCATATGGGCAACTGAGCACATCCTGCCACTCCCACCTCGTGCCTCAGAA
 TGGACACCAGGCTACTCATCTGGAGGTGACCAAGCAGCCAACCAATCGGGTCCCTGGAGGTCTCAAAT
 GCCTCCCATACCTTGTCCAGGCCTTGTGGCTGCTGCCACCATCCCACTTCACCAGTGGCTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209225 representing NM_022357
 Red=Cloning site Green=Tags(s)

MIRTPLSASAHRLLLPGSRGRPPRNMQPTGREGRALSRRYLRLLLLLLLLLLLLLRQPVTRAETTPGAPRA
 LSTLGGPSLFTTPGVPSALTPGLTTPGTPKTLDLRGRAQALMRSFPLVDGHNDLPQVLRQRYKNVLQDV
 NLRNFSGQTSLDRLRDGLVGAQFWSASVSCSQDQTAVRLALEQIDL IHRMCASYSELELVTSAEGLNS
 SQKLAACLVGVEGGHSLDSSLVLRFSFYVLGVRYLTLTFTCSTPWAESSTKFRHHMYTNVSGLTSFGEKVV
 EELNRLGMMIDL SYASDTL IRRVLEVSQAPVIFSHSAARAVCDNLLNVPDDILQLLKNNGGIVMVTLSMG
 VLQCNLLANVSTVADHFDH IRAVIGSEF IGIGGNYDGTGRFPQGLEDVSTYPVL IEELL SRSWSEELQG
 VLRGNLLRVFRQVEKVREESRAQSPVEAEFPYQLSTSCHSHLVPQNGHQATHLEVTKQPTNRVPWRSSN
 ASPYLVPGLVAAATIPTFTQWLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3070_g02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_022357

ORF Size: 1539 bp

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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

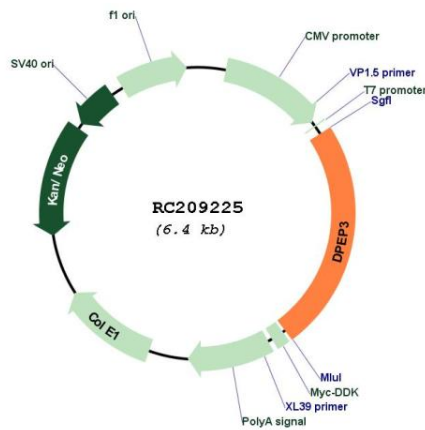
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_022357.4](#)
RefSeq Size: 1756 bp
RefSeq ORF: 1542 bp
Locus ID: 64180
UniProt ID: [Q9H4B8](#)
Cytogenetics: 16q22.1
Protein Families: Druggable Genome, Protease
MW: 56.4 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]

Product images:



Circular map for RC209225