

Product datasheet for **MR217784**

Dpep2 (NM_176913) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpep2 (NM_176913) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dpep2
Synonyms:	F630103D06Rik; MBD-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR217784 representing NM_176913
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTGGCATGGAGAGACATACTGCCTGATTGGAGGCTACCGTGTCTACGGAGATGCGCCGCTTCCCA
 CACCTGCAAAGGCTGAGCAAGAGGAGAAGCCAGTGCCAGGCGGGCTCCCAAGAGACAGCGAGTTCAGGA
 AGAATCGGATCAAGATCTAGGCTGTCCCGGTGCAAAAGTTCTCGCCTGAAATTGAAGCATGGTGGCAAA
 GGGCTTTCGCGACCCTCATCCGTGCCGGCTTGCTCCGCCCTGAGCAAGATGTCGCTCACGGGCTCAAGG
 GTCATTGGGTGCTTGGCCATGGGCTTTCAGTGTTCCTGTTGGTGTGCTGCTGTTAGGGCTTACAGCC
 TCTAATATGGACCCAGACAAAACCAGGCTTCTCTGGTGTCCACTACATCAAGCATCCCCAGAGCACTC
 ACCAAGCCCGACATTTCCAGCATTCCAACCACTCCTGGCAACCCCAATTTCCAGACCTGCGAGATCGCG
 CAAGAGCTCTGATGCAGGAGTTCGGCTTATAGATGGCCACAATGACATGCCTCTTGTCTGAGACAATT
 TTACCAGAATGGACTACAAGATGCTAACCTGAGAACTTACCCATGGCCAGACCAGCCTGGATAGGCTT
 AAAGATGGCTTGGTGGGAGCCAGTTCTGGTCTGCTTACGTACCATGCCAGACGCGAGACCAGGATGCC
 TGGCTCTCACTCTGGAGCAGATAGACCTCATTCCGAGAATATGTGCCTCTTATTCTGAGCTGGAACCTGT
 GACCTCAGTTAAAGTTAAGTGGATTTATTCAGGCACCCAGAAATTGGCTTGCCTCATTGGTGTGGAAGGT
 GGCCATTCAGTACAGACAGCCTCGCTGTGCTTCAAGTTTCTACCTGCTGGGGTGGCTACCTGACGC
 TCACACACACCTGCAACACACCTGGGCAGAGACCTCATCCAAGGGTGTCCACGCATTCTACAGCAGTGT
 CACTGGACTGACCAGCTTGGTGAAGGTGGTGGCAGAAATGAATCGCTTAGGTATGATGGTTGATCTG
 TCCACGCTCGGATGCTGCAGCCAGGCGGGCTTGAAGTATCCAAGCCCTGTGATTTCTCCCAT
 CCGTGCCAGGGCTGTGTGCCAAATGCTCGGAATCTTCTGATGACCTCCTGACGCTTGAAGAAGAA
 CGGTGGCATCGTATGGTACCTTCTCCGTAGGAGTGTTACCGTGAACCCCTTAGCCAATGTATCCACT
 GTGGCAGAGAAAGGTGAGCAGAGCAGCAGTTTACTCCACCCAGAGACACACACTTCGTGTGATGATCG
 GATCCGAGTTCATCGGAATTGGCGGAGATTATGATGGTACCAAACAGTTCCTCAGGGCCTGGAGGATGT
 GTCTACATACCCAGTGTCTATAGAGGAGTTGCTGAGACGAGGCTGGAATGAACAGGAACTCCAAGGCATC
 CTTGAGGAAACCTGCTTCGGTCTTCCGACAAGTGGAGCAGGTCGAGACAAAAGCAAATGGCAAAGTC
 CCCTGGAAGACATGATCCAGAGGAGCAGCTGGACAGTGTGCTGCACTCAGCCCTGCGACCTCAGAAACA
 GCATCCAGAAAAGAACCAACCGGAGACTCCAGAATATCATATACTCAAGTCTCACACTCGAAATCTCT
 CCCACATTGTCCAAGCCTCGCCATTGTTGCGACCTTATTAGGCCTTATTGTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217784 representing NM_176913
 Red=Cloning site Green=Tags(s)

MAWHGETYCLIGGYRVYGDAPLPTPAKAEQEEKPVPRRAPKRQRVQEEESDQDLGCPGAKVPRLKLGKGGK
 GLSRPSSVPACASLAKMSLTGLKGHWLGHLSVFLVLLLLGPSQPLIWTQTKPGFSGASTSSIPRAL
 TKPDISSIPTTPGNPNFPLDRDRARALMQEFPLIDGHNDMPLVLRQFYQNGLDANLRNFTHGQTSLDRL
 KDGLVGAQFWSAYVPCQTQDRDALRLTLEQIDLIRRICASYSELELVTSVKVWIIYSGTQKLAELIGVEG
 GHSLDNSLAVLRSFYLLGVRYLTLTHTCNTPWAETSSKGVHAFYSSVTGLTSFGEKVVAEMNRLGMMVDL
 SHVSDAAARRALEVSQAPVIFSHSAARAVCPNARNLPDDLQLLKNNGGIVMVTFSVGVLPNPLANVST
 VAEKGQKQHFPPRDTHFVSVIGSEF IGIGGDYDGTQKQFPQGLEDVSTYYPVLEIELLRGWNEQELQGI
 LRGNLLRVFRQVEQVRDKSKWQSPLEDMIPPEEQQLDSACHSALRPQKHPEKNQPETPEYHILKFSKSS
 PHIVPSLAIVATLLGLIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9038_h05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_176913

ORF Size: 1734 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_176913.4](#), [NP_795887.2](#)

RefSeq Size: 1766 bp

RefSeq ORF: 1737 bp

Locus ID: 319446

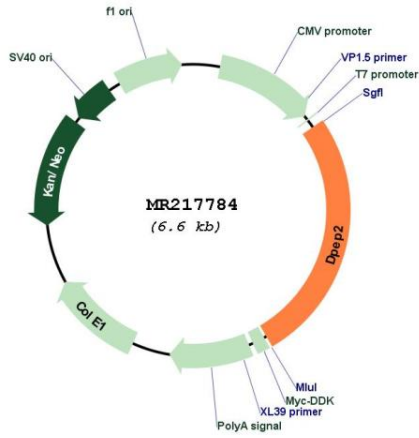
UniProt ID: [Q8C255](#)

Cytogenetics: 8 D3

MW: 64.1 kDa

Gene Summary: Probable metalloprotease which hydrolyzes leukotriene D4 (LTD4) into leukotriene E4 (LTE4).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217784