

Product datasheet for **MC200470**

Anpep (NM_008486) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anpep (NM_008486) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Anpep
Synonyms:	AP-M; AP-N; Apn; Cd13; P150
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>BC005431 sequence for NM_008486
 CTGGCCCCGGGGCTGCTGTTCTTTCTCTTGGCCTGAGCTATTCCGAGCTCCCTGTCCACCGGCATCATG
 GCCAAGGGGTTCTACATTTCCAAGACCCTGGGCATCTTGGGCATCCTGTTGGGTGTGGCAGCTGTGTGA
 CCATCATAGCTCTGTCCGTGGTCTACGCTCAGGAGAAGAATAGGAATGCAGAGAAGCTCTGCCACAGCCCC
 CACGCTCCCGGGCAGCACCTCAGCCACCACCGCAACCACCACCCTGTGTAGATGAAAGCAAGCCTTGG
 AACCAATCAGGGCCTGTACATCTTCCAAGGCAACAGTACTGTTTCGCTTTACCTGCAACCAGACCAGGA
 TGTCAATTATCATCCACAGCAAAAAGCTCAACTACACCCTCAAAGGAAACCACAGGGTGGTGTGCGAACC
 CTGGACGGCACTCCGGCACCTAACATTGACAAAACGGAACCTGGTAGAGCGTACTGAGTACCTGGTGGTGC
 ACCTGCAGGGGTCCCTGGTAGAGGGCCGTGAGTACGAGATGGACAGCCAGTTCCAGGGGAACTGGCTGA
 TGACCTGGCTGGCTTCTACCGCAGCGAGTACATGGAAGGAGACGTCAAGAAAAGTGGTGGCTACAACGCGAG
 ATGACAGGCTGCTGATGCTCGAAATCCTTTCCATGTTTTGATGAGCCAGCCATGAAGGCCATGTTCAACA
 TCACACTCATCTACCCAAACAACCTCATAGCTCTGTCTAATATGCTTCCCAAAGAGTCCAAGCCCTATCC
 GGAAGACCCTTCTGCACCATGACTGAGTTCCTCCACCCTAAGATGTCCACATACCTGCTGGCCTAC
 ATCGTGAGCGAGTTCAAAAATATAAGCTCCGTCTCAGCCAATGGTGTCCAGATTGGAATCTGGGCTCGGC
 CCAAGTCCATTGATGAGGGCCAGGGTATTACGCACTGAACGTTACAGGCCCCATCCTAAATTTCTTTGC
 CCAACATTATAATACATCCTACCCTCTACCAAAGTCTGACCAGATTGCCCTGCCTGACTTCAACGCTGGA
 GCCATGGAGAAGTGGGGTCTGGTACCTACCGTGAGAGCTCCCTGGTCTTTGACTCTCAGTCCCTCTCCA
 TTAGCAACAAGGAGCGGGTGGTCACTGTGATTGCTCAGAGCTGGCCCATCAGTGGTTTGGCAACCTGGT
 GACTGTGGCTTGGTGGAAATGATCTGTGGCTGAACGAGGGCTTTGCCTCTACGTGGAATATCTGGGTGCT
 GACTATGCAGAGCCTACCTGGAATCTGAAAGACCTCATGGTACTGAATGATGTGTACCGTGTGATGGCCG
 TGGATGCCCTTGCCTCTCCACCCACTGTCCAGTCTGCTGACGAGATCAAAACACCAGACCAGATCAT
 GGAGCTGTTTGACAGCATCACCTACAGCAAGGGAGCCCTCAGTCAACAGGATGCTGTCCAGTTTCTTGACA
 GAGGACCTGTTTTAAGAAGGGCCTTTTCATCTTATCTCCACACCTACCAGTACTCGAACACCGTTTTATCTGG
 ACCTGTGGGAACCTTGCAAAAGGCCGTGAACCAACAGACAGCTGTCCAACCCCGGCCACGGTGGCGAC
 TATCATGGACCGCTGGATTCTACAGATGGGCTTTCCCGTTACTGTGAACACCAATACAGGAGAAATC
 TCCCAGAAACACTTCTCCTGGATTCCAAGTCCAACGTTACCCGCCCTCCGAGTTTAATTACATCTGGA
 TCGCGCCCATTCATTTCTCAAAGTGGACAGGAGGATCACTACTGGCTGGATGTCGAGAAAAACCAGAG
 TGCAAAGTTCAGACATCCTCAATGAATGGATCTTACTGAACATTAACGTAACCGGCTACTACCTGGTT
 AACTATGATGAGAACAACCTGGAAGAAGCTTCAGAATCAGCTGCAAACAGACCTTTCTGTTATCCCTGTCA
 TCAACCGAGCACAGATTATCCACGACTCCTTCAACCTGGCCAGTGTAAAATGATACCCATCACCTGGC
 GCTGGACAACACCTCTTCTCCTGGTCAAAGAGCGGAGTACATGCCCTGGCAGGCTGCCCTGAGCAGCCTC
 AACTACTTCACACTCATGTTTCGACCGCTCGGAGGTCTACGGCCCCATGAAGAGGTATCTGAAGAAGCAAG
 TTACGCCCTCTTCTTCTACTTCCAAAATAGAACCAACAACCTGGGTCAACCGTCTCCAACGCTGATGGA
 GCAGTACAATGAAATTAACGCCATCAGCACCGCCTGTTCCAGTGGTCTCAAAGAGTGTAGGGACCTGGTC
 GTTGAGCTCTATAGTCAGTGGATGAAAAACCTAATAAATACACGATCCACCCCAACCTTCGGTCTACTG
 TCTACTGCAATGCCATTGCTTTCCGTGGCGAAGAAGAGTGGAACTTTGCTTGGGAACAGTCCCGAATGC
 AACTCTGGTGAACGAAGCGGACAAAACCTCCGGTCCAGCCTTGGCCTGTAGCAAAGATGTGTGGATTTGAA
 AGGTACCTGAGTTACACTCTGAACCCGGACTACATCCGGAAGCAGGACACCACCTCCACCATCATCAGCA
 TTGCCAGCAACGTGGCTGGGCACCCTCTGGTTTGGGACTTTGTCCGAAGCAACTGGAAGAAACTGTTTGA
 GAATTACGGTGGAGGATCTTTCTCCTTTGCCAATCTCATCCAGGAGTGACCCGGCGCTTCTCCTCTGAG
 TTCGAGCTGCAGCAGCTGGAGCAGTTTAAAGCGGATAACTCAGCCACAGGCTTTGGCACCGGCACTCGGG
 CTCTGGAGCAAGCCCTGGAGAAGACGAGAGCCAACATCGACTGGGTGAAGGAGAACAAAGATGCGGTATT
 CAAGTGGTTCACAGAGAACAGCAGTTAGTTCTGGTCTGAGAACCCTTGTCCAGTATGACACCTCTT
 ACTATCTCAGCAGCCTGTGCAGGGTCTCTGTCTCAGAGCTCCAGACACCAGCATCTACTCTCAAGGAT
 GAAGTCTCCAGCCTGTGGAGCCAGCCTAGCTCCTAACTGTGAGGCTGACGGACACCTCCCAGGTCTTGCA
 CCCTCATGCCAACTCTGCCCCAGGTCCAGGCCTCTGGGGTGTATCTCAGGGAAGCCAGCTCTGAAGCTA
 GATTTACTGGACAAGGGCAGCCTGGAAGAGACTCCCTGAATGCTTTACTATCCCTGCCCCCTACCCCC
 ACCCCTACCCCCACGAGATCCAGAACCAAGAATCAACAGGGCAACAAGATCTATATATATTTTTAAGAG
 AAAATGTAATAAAGAATTTCTAAAAAAAAAAAAAAAAA

Restriction Sites:

RsrII-NotI

ACCN:	NM_008486
Insert Size:	2901 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).
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:	<ol style="list-style-type: none">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:	BC005431 , AAH05431
RefSeq Size:	3397 bp
RefSeq ORF:	2901 bp
Locus ID:	16790
UniProt ID:	P97449
Cytogenetics:	7 D2
Gene Summary:	Broad specificity aminopeptidase which plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. Also involved in the processing of various peptides including peptide hormones, such as angiotensin III and IV, neuropeptides, and chemokines (By similarity). May also be involved the cleavage of peptides bound to major histocompatibility complex class II molecules of antigen presenting cells (PubMed:8691132). May have a role in angiogenesis and promote cholesterol crystallization (By similarity).[UniProtKB/Swiss-Prot Function]