

Product datasheet for **SC320245**

RNPEP (NM_020216) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNPEP (NM_020216) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNPEP
Synonyms:	AP-B; APB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_020216.3
 ACGGCTCTGCGGCATGGCGAGCGGCGAGCATTCCCCGGCAGCGGCGGGCCCGGGCGGC
 CGCTGCACTCCGCGCAGGCTGTGGACGTGGCCTCGGCCTCCAACCTCCGGGCCTTTGAGC
 TGCTGCACTTGCACCTGGACCTGCGGGCTGAGTTCGGGCTCCAGGGCCCGGGCGCAGGGA
 GCCGGGGGCTGAGCGGCACCGCGGTCTGGACCTGCGTGCCTGGAGCCCAGGGCGCCG
 CCGAGCTGCGGCTGGACTCGCACCCGTGCCTGGAGGTGACGGCGGCGGCGCTGCGGCGGG
 AGCGGCCCGGCTCGGAGGAGCCGCTGCGGAGCCCGTGAGCTTCTACACGCAGCCCTTCT
 CGCACTATGGCCAGGCCCTGTGCGTGTCTTCCGCGAGCCCTGCCGCGCCGCGAGCGCC
 TCCAGGTGCTGCTCACCTACCGCTCGGGGAGGGACCCGGGGTTTGTGTTGGCTCCCG
 AGCAGACAGCAGGAAAGAAGAAGCCCTTCGTGTACACCCAGGGCCAGGCTGCTCTAAACC
 GGGCCTTCTTCCCTTGCTTCGACACGCCTGCTGTAAATAACAAGTATTCAGCTCTTATTG
 AGGTCCCAGATGGCTTACACAGTGTGATGAGTGTAGCACCTGGGAGAAGAGAGGTCCAA
 ATAAGTCTTCTTCCAGATGTGCAGCCATCCCCTCTATCTGATAGCTTTGGCCATCG
 GAGATCTGGTTTCGGCTGAAGTTGGACCCAGGAGCCGGGTGTGGGCTGAGCCCTGCCTGA
 TTGATGCTGCCAAGGAGGAGTACAACGGGGTGATAGAAGAATTTTTGGCAACAGGAGAGA
 AGCTTTTTGGACCTTATGTTGGGAAGGTATGACTTGCTTTCATGCCACCGTCTTTTC
 CATTTGGAGGAATGGAGAACCCTTGTCTGACCTTTGTACCCCTGCCTGCTAGCTGGGG
 ACCGCTCCTTGGCAGATGTCATCATCCATGAGATCTCCACAGTTGGTTTGGGAACCTGG
 TCACCAACGCCAACTGGGGTGAATTCGGCTCAATGAAGGTTTACCATGTACGCCCAGA
 GGAGGATCTCCACCATCCTCTTTGGCGCTGCGTACACCTGCTTGGAGGCTGCAACGGGGC
 GGGCTCTGCTGCGTCAACACATGGACATCACTGGAGAGGAAAACCACTCAACAAGCTCC
 GCGTGAAGATTGAACAGCGTTGACCCGGACGACACCTATAATGAGACCCCTACGAGA
 AAGGTTTCTGCTTTGTCTACACTGGCCCACTGGTGGGTGATCAGGATCAGTTTGACA
 GTTTTTCTCAAGGCCTATGTGCATGAATCAAATCCGAAGCATCTTAGCCGATGACTTTC
 TGGACTTCTACTTGAATATTTCCCTGAGCTTAAGAAAAAGAGAGTGGATATCATTCCAG
 GTTTTGTGTTGATCGATGGCTGAATACCCCGGCTGGCCCCGTACCTCCCTGATCTCT
 CCCCTGGGGACTCACTCATGAAGCCTGCTGAAGAGCTAGCCCACTGTGGGCAGCCGAGG
 AGCTGGACATGAAGGCCATTGAAGCCGTGGCCATCTCTCCCTGGAAGACCTACCAGCTGG
 TCTACTTCTGGATAAGATCCTCCAGAAATCCCCTCTCCCTCCTGGGAATGTGAAAAAAC
 TTGGAGACACATACCAAGTATCTCAAATGCCCGGAATGCAGAGCTCCGGCTGCGATGGG
 GCCAAATCGTCTTAAGAACGACCACCAGGAAGATTTCTGAAAGTGAAGGAGTTCTCTGC
 ATAACCAGGGGAAGCAGAAGTATACACTCCGCTGTACCACGCAATGATGGGTGGCAGTG
 AGGTGGCCAGACCCCTCGCCAAGGAGACTTTTGCATCCACCGCTCCAGCTCCACAGCA
 ATGTTGTCAACTATGTCCAGCAGATCGTGGCACCCAAGGGCAGTTAGAGGCTCGTGTGCA
 TGGCCCCGCTCTTCCAGGCTCTCCAGGCTTTCAGAAATATTGTTTGTCCCAAATTCCT
 GTTCCCTGATCAACTTCTGGAGTTTATATCCCCTCAGGATAATCTATTCTCTAGCTTAG
 GTATCTGTGACTCTTGGGCTCTGCTCTGGTGGAACTTACTTCTCTATAGCCCACTGAG
 CCCCAGACAGAGAACCTGCCACAGCTCTCCCGCTACAGGCTGCAGGCACTGCAGGGC
 AGCGGGTATTCTCTCCACCTAAGTCTCTGGGAAGAAGTGGAGAGGACTGATGCTCTT
 CTTTTTCTCTTCTGTCTTTTTCTTGTGATTTTATGCAAAGGCTGGCATTCTGATT
 GTTCTTTTTTCAGGTTTAACTCTATTTTAAATAAAGTTTTCAAGCAAAAATTAATAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_020216

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:	<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:	<u>NM_020216.3</u> , <u>NP_064601.3</u>
RefSeq Size:	2430 bp
RefSeq ORF:	1953 bp
Locus ID:	6051
UniProt ID:	<u>Q9H4A4</u>
Cytogenetics:	1q32.1
Domains:	Peptidase_M1
Protein Families:	Druggable Genome, Protease, Secreted Protein
Gene Summary:	Exopeptidase which selectively removes arginine and/or lysine residues from the N-terminus of several peptide substrates including Arg(0)-Leu-enkephalin, Arg(0)-Met-enkephalin and Arg(-1)-Lys(0)-somatostatin-14. Can hydrolyze leukotriene A4 (LTA-4) into leukotriene B4 (LTB-4) (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).