

Product datasheet for **SC114334**

CPA4 (NM_016352) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPA4 (NM_016352) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPA4
Synonyms:	CPA3
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016352, the custom clone sequence may differ by one or more nucleotides

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ATGAGGTGGATACTGTTTCATTGGGGCCCTTATTGGGTCCAGCATCTGTGGCCAAGAAAAATTTTTGGGG
ACCAAGTTTTGAGGATTAATGTCAGAAATGGAGACGAGATCAGCAAATTTGAGTCAACTAGTGAATTCAAA
CAACTTGAAGCTCAATTTCTGAAATCTCCCTCCTCCTCAATCGGCCTGTGGATGTCCTGGTCCCATCT
GTCAGTCTGCAGGCATTTAAATCCTTCTGAGATCCCAGGGCTTAGAGTACGCAGTGACAATTGAGGACC
TGCAGGCCCTTTAGACAATGAAGATGATGAAATGCAACACAATGAAGGGCAAGAACGGAGCAGTAATAA
CTTCAACTACGGGGCTTACCATTCCCTGGAAGCTATTTACCACGAGATGGACAACATTGCCGAGACTTT
CCTGACCTGGCGAGGAGGGTGAAGATTGGACATTCGTTTAAAAACCGGCCGATGTATGTAAGTTCA
GCACTGGGAAAGGCGTGAGGCGGCCGGCCGTTTGGCTGAATGCAGGCATCCATTTCCGAGAGTGGATCTC
CCAGGCCACTGCAATCTGGACGGCAAGGAAGATTGTATCTGATTACCAGAGGGATCCAGCTATCACCTCC
ATCTTGGAGAAAAATGGATATTTTCTTGTTCCTGTGGCCAATCCTGATGGATATGTGTAATACTCAAATC
AAAACCGATTATGGAGGAAGACGCGTCCCGAAATCCTGGAAGCTCCTGCATTGGTGCTGACCCAAATAG
AAACTGGAACGCTAGTTTTGCAGGAAAGGAGCCAGCAGACAACCCCTTGCCTCCGAAGTGTACCATGGACCC
CACGCCAATTCGGAAGTGGAGTGAATCAGTGGTAGATTTTCATCAAAAACATGGGAATTTCAAGGGCT
TCATCGACCTGCACAGCTACTCGCAGCTGCTGATGTATCCATATGGGTACTCAGTCAAAAAGGCCCCAGA
TGCCGAGGAACTCGACAAGGTGGCGAGGCTTGGCGCCAAAGCTCTGGCTTCTGTGTCGGGCACTGAGTAC
CAAGTGGGTCCCACCTGCACCACTGTCTATCCAGCTAGCGGGAGCAGCATCGACTGGGCGTATGACAACG
GCATCAAATTTGCATTACATTTGAGTTGAGAGATACCGGGACCTATGGCTTCTCCTGCCAGCTAACCA
GATCATCCCCTGCAGAGGAGACGTGGCTGGGGCTGAAGACCATCATGGAGCATGTGCGGGACAACCTC
TACTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016352 unedited AAAATCGGTCCCCGCCCGTTGNCGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTA TATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGC GGCCGCGAATTCGGCACGAGGGGACATGAGGTGGATACTGTTTCATTGGGGCCCTTATTG GGTCCAGCATCTGTGGCCAAGAAAAATTTTTGGGGACCAAGTTTGGAGATTAATGTCA GAAATGGAGACGAGATCAGCAAATGAGTCAACTAGTGAATTCAAACAACCTTGAAGCTCA ATTTCTGGAAATCTCCCTCCTTCAATCGGCCTGTGGATGTCCTGGTCCCCTGTGCA GTCTGCAGGCATTTAAATCCTTCTGAGATCCCAGGGCTTACAGTACGCACTGACAATTG AGGACCTGCAGGCCCTTTTAGACAATGAAGATGATGAAATGCAACACAATGAAGGGCACG AACGGAGCAGTAATAACTTCAACTACGGGGCTTACCATTCCCTGGAAGCTATCTACCACG AGATGGACAACATTGCCGCAGACTTTTCTGACCTGGCGAGGAGGTGAAGATTGCACATT CGCTTGAAAACCGCCGATGCATGTACCGATGCTCACCCTGTCAAAGCGCGAGGGCGC CGGCCGCTTGGCTGAATGCAAGCATCCATTCCCGAGAGTGGACCTCCAAGCCACTGCAA TCCGCCCGGCACGGACGATTGTATCTGATCACCACACGGATTCCGCTCTACCTCCACCT TGGCGAACATGGATATCTTCTGTGCTCGGGCCATCTTGGCGGCTACGCGCATACTC CCACTNCAAACCGCCATGGAGAACGACGCGCTCCGAAACCTGCAACTCTCCATTGCGC TTGACCCCAAACAACCGACACGCTGTCCCGCN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016352 unedited GGTCTGACTTGGATATTCTTGTATTAANCACACACCAGAGCTGTACAAATCCTAGGC AGGAGGTTAAGATTACAGACATGTTTGGTAAAAGCAAAAAACAAAAACAACAAC AACAAAAGGACAGATGGTACGTGGCTGAGGTGAAATGAAACAAGAGGCAGCTGGTTGATG AATTCTTGCTCTACTTAGGAACTTGTGGTCCAGGATACAAAATAGACAGACACACACA CAAACACACACACACACACACACACACACACACAAACCAAGACAAGGAAACACA GGATACACCACAGCACAATGGGAATGTGCCAGGGCAGTGAATTATCCAGGCCAGATGA GTGATTTAGGACCTGTAAGATGAGGCCTAGATCTTTGAAGTGAAGTCAAAAAGCAAAGAG GAGGTAAGCCATTAGGACAGATGGGGATAATTTTACCATCCTGCATTTTAGATGGTCA CTTACCCAGCCTTCTTGGGCCAGTCCCTCAGTGACACAGATCCCCTTCCGCCATCCTG GTCACACTGGATTACAAAGGGAAGAGAGGAGTAAAACTGTAGTATCTTAAAAATCTAAG CACAGTGAAGGAAAGTGATCTTTCTATTTGTATTTCAGGCCTTAAAAAGAGGGGACGTGA CCGGCACAGTGTACACCTTGTATCCCGCCTTCTTGGGAGGGCAAGGAGGGGCAATTA CCCTAGGTTTGGGAGTTTGTAACTCATCTGGACAAACATGGGTGAACACCTGTTCTTTA CTAAAAACACCTAATTATCCAGGCCACGTGTGGATGCCGCTTAATATCCAGTCTTTCTC AAATGGTGAAGCCAGATAAATTACTTGACCCACATAAGCAGAAGTTTGGGGGAGCCAGT ATTGTAACATAACAATCTAGCTTGGGCATAAAAGTGAAAAGTCTGTTTATATAAAAAAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_016352
Insert Size:	2850 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:	NM_016352.2 , NP_057436.2
RefSeq Size:	2807 bp
RefSeq ORF:	1266 bp
Locus ID:	51200
UniProt ID:	Q9UI42
Cytogenetics:	7q32.2
Domains:	Zn_carbOpept, Propep_M14
Protein Families:	Druggable Genome, Protease, Secreted Protein
Gene Summary:	<p>This gene is a member of the carboxypeptidase A/B subfamily, and it is located in a cluster with three other family members on chromosome 7. Carboxypeptidases are zinc-containing exopeptidases that catalyze the release of carboxy-terminal amino acids, and are synthesized as zymogens that are activated by proteolytic cleavage. This gene could be involved in the histone hyperacetylation pathway. It is imprinted and may be a strong candidate gene for prostate cancer aggressiveness. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>