

Product datasheet for **SC123842**

CPA6 (NM_020361) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPA6 (NM_020361) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPA6
Synonyms:	CPAH; ETL5; FEB11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_020361 edited
 CCCAAGACCAAGTCGTAATAGCAACTTCCTTCCTCAGCTGCCTGAACCTTTTTTTTTCC
 TTGTAGCTGGAGAGAAGTGTACATTTTGTCTACTCTCAACCTTCCTCGCCACCCCTT
 CCCGGAGAACCTGTGCGGTGTGTAGAGGGTGTGTGAGCCACCTCCAGCCTCGGGTGGCT
 GCTTAAGTAACTTTCACTCCTCTCTTCTTAACACTATGAAGTGTCTCGGAAGCGCAGG
 GGCCAGGCAGCTGCTTTCTGCCTCTTTGCTGGCTCTTTTGAAGATTCTGCAACCGGGG
 CACAGCCACCTTTATAACAACCGCTATGCTGGTGATAAAGTGATAAGATTTATCCCAA
 ACAGAAGAGGAAGCATATGCACCTGAAGAAAATATCCTATCAACTTAAGGTGGACCTGTGG
 CAGCCCAGCAGTATCTCCTATGTATCAGAGGGAACAGTTACTGATGTCCATATCCCCAA
 AATGGTCCCGAGCCCTGTAGCCTTCTTACAGGAAGCCAACATCCAGTACAAGTCTCTC
 ATAGAAGATCTTCAGAAAACACTGGAGAAGGGAAGCAGCTTGCACACCCAGAGAAACCGA
 AGATCCCTCTCTGGATATAATTATGAAGTTTACTCTCTTAGAAGAAATCAAATTTGG
 ATGCATCATCTGAATAAACTCACTCAGGCCTCATTACATGTTCTCTATTGGAAGATCA
 TATGAGGGAAGATGTCTTTTATTTAAAGCTGGGCAGACGATCAGACTCAAAGAGCT
 GTTTGGATAGACTGTGGTATTCATGCAAGAGAATGGATTGGTCTGCCTTTTGTCACTGG
 TTTGTAAGAAAGCTCTTCTAACATATAAGAGTGACCCAGCCATGAGAAAATGTGAAT
 CATCTATATTTCTATATCATGCCTGTGTTAACGTCGATGGATACCATTTTAGTTGGACC
 AATGATCGATTTTGGAGAAAACAAGGTCAAGGAACTCAAGGTTTCGCTGCCGTGGAGTG
 GATGCCAATAGAACTGGAAAGTGAAGTGGTGTGATGAAGGAGCTTCTATGCACCCTGT
 GATGACACATACTGTGGCCCTTTCCAGAATCTGAGCCGGAAGTGAAGGCTGTAGCTAAC
 TTCCTTCGAAAACACAGAAAGCACATTAGGGCTTATCTCTCCTTTCATGCATATGCTCAG
 ATGTTACTGTATCCCTATTCTTACAAATATGCAACAATCCCAATTTTAGATGTGTGGAA
 TCTGCAGCTTATAAAGCTGTGAATGCACCTCAGTCAGTATACGGGGTACGATACAGATA
 GGACCAGCTCCACAACGTTGTATGTGAGCTCTGGTAGCTCAATGGATTGGGCCTACAAA
 AATGGAATACCTTATGCATTTGCTTTTCAACTACGTGACACTGGATATTTTGGATTTT
 CTCCAGAGATGCTCATCAAACCCACTGTACAGAACTATGCTGGCTGTGAAAAATATC
 ACAATGCACCTGCTAAAGAAATGTCCCTGAGACAGCCCAAGGCTCAGGTCAACTGCCATA
 GGATTCTGAGCAAGGCCTACTTGGCCCTGGATAGAAATGTTTTCAAAGAGAAGGCAGC
 TGCTTAGAGTGAACATGTCTATGGACTTAAAAAGACCCACGCAATTTGACTTTGTGGC
 AATAGAAAACAGTAAAAACAGGCATAGCCTAGTTTGTATAAGAAAAAGCATCCATTT
 TCTATCCTTTTAGAGTCTTATTTGATTATGGTGGGAGGGAATGTTTTCAAATTTCCATT
 TCTCAAGAAATGTTATATTAATTGAGGATTTCCCTTCAATAAATCTCATGTCCTCAATT
 ATAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020361 unedited
 GCCTTCATTTGTAATACGACTTCACTATAGGGNCGGCACGCGNAATTCGCGGNATCCCA
 ANACCAAGTCGTAATAGCAACTTCCTTCCTCAGCTGCCTGAACCTTTTTTTTTCCCTTGT
 AGCTGGAGAGAAGTGTACATTTTGTCTACTCTCAACCTTCCTCGCCACCCCTTCCCG
 GAGAACCTGTGCGGTGTGTAGAGGGTGTGTGAGCCACCTCCAGCCTCGGGTGGCTGCTT
 AAGTAACTTTCAACTCCTCTCTTCTTAACACTATGAAGTGTCTCGGAAGCGCAGGGGCC
 AGGCAGCTGCTTTCCTGCCTCTTTGCTGGCTCTTTTTGAAGATTCTGCAACCGGGGCACA
 GCCACCTTTATAACAACCGCTATGCTGGTGATAAAGTGATAAGATTTATCCAAAACAG
 AAGAGGAAGCATATGCACCTGAAGAAAATATCCTATCAACTTAAGGTGGACCTGTGGCAGC
 CCAGCAGTATCTCCTATGTATCAGAGGGAACAGTTACTGATGTCCATATCCCCAAAATG
 GTTCCCGAGCCCTGTTAGCCTTCTTACAGGAAGCCAACATCCAGTACAAGTCTCATAG
 AAGATCTTCAGAAAACACTGGAGAAGGGAAGCAGCTTGCACACCCAGAGAAAACCGAAGAT
 CCCTCTCTGGATATAATTATGAAGTTTACTCTCTTAGAAGATTTCAAATTTGGATGC
 ATCATCTGAATAAACTCACTCAAGCCTCATTACATGTTCTCTATTGGAAGATCATATG
 ANGGAAGATGTCTTTTTATTTAAAGCTGGGCAGACGATCAGACTCANAAAGAGCTGTTT
 GGATAGACTGTGGTATTCATGCAAGAGAATGAATTGGTCTGCCTTTTGTCACTGGTTT
 TAAAGAGCTCTTCTACATATAGAGTGACCCAGCCTGAGAAAATGTT

Restriction Sites:	Please inquire
ACCN:	NM_020361
Insert Size:	1850 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_020361.2 , NP_065094.2
RefSeq Size:	1907 bp
RefSeq ORF:	1314 bp
Locus ID:	57094
UniProt ID:	Q8N4T0
Cytogenetics:	8q13.2
Protein Families:	Protease, Secreted Protein
Gene Summary:	<p>The gene encodes a member of the peptidase M14 family of metallocarboxypeptidases. The encoded preproprotein is proteolytically processed to generate the mature enzyme, which catalyzes the release of large hydrophobic C-terminal amino acids. This enzyme has functions ranging from digestion of food to selective biosynthesis of neuroendocrine peptides. Mutations in this gene may be linked to epilepsy and febrile seizures, and a translocation t(6;8)(q26;q13) involving this gene has been associated with Duane retraction syndrome. [provided by RefSeq, May 2016]</p>