

Product datasheet for **SC125913**

Carboxypeptidase A (CPA1) (BC005279) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Carboxypeptidase A (CPA1) (BC005279) Human Untagged Clone
Tag: Tag Free
Symbol: Carboxypeptidase A
Synonyms: carboxypeptidase A1; carboxypeptidase A1 (pancreatic); CPA
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC005279 edited
GACCTTCCCTCCCGGCAGCAGCATGCGGGGTTGCTGGTGTGAGTGCCTGTTGGGGG
TGCTTTTGGCAAGGAGGACTTTGTGGGCATCAGGTGCTCCGAATCTCTGTAGCCGATGA
GGCCAGGTACAGAAGGTGAAGGAGCTGGAGGACCTGGAGCACCTGCAGCTGGACTTCTG
GCGGGGCCCTGCCACCCTGGCTCCCCATCGACGTCCGAGTGCCTTCCCCAGCATCCA
GGCGGTCAAGATCTTTCTGGAGTCCCACGGCATCAGCTATGAGACCATGATCGAGGACGT
GCAGTCGCTGCTGGACGAGGAGCAGGAGCAGATGTTTCGCCTTCCGGTCCCGGGCGCGCTC
CACCGACACTTTAACTACGCCACTACCACACCCTGGAGGAGATCTATGACTTCTGGA
CCTGCTGGTGGCGGAGAACCCGCACCTTGTGAGCAAGATCCAGATTGGCAACACCTATGA
AGGGCGTCCCATTACGTGCTGAAGTTCAGCACGGGGGCAGTAAGCGTCCAGCCATCTG
GATCGACACGGGCATCCATTCCCGGAGTGGGTACCCAGGCCAGTGGGGTCTGGTTTGC
AAAGAAGATCACTCAAGACTACGGGCAGGATGCAGCTTTCACCGCATTCTCGACACCTT
GGACATCTTCTGGAGATCGTACCAACCCTGATGGCTTTGCCTTACGCACAGCACGAA
TCGCATGTGGCGCAAGACTCGGTCCCACACAGCAGGCTCCCTCTGTATTGGCGTGGACCC
CAACAGGAACTGGGACGCTGGCTTTGGGTTGTCCGGAGCCAGCAGTAACCCTGCTCGGA
GACTTACCGCGGCAAGTTTGCAATTCCGAAGTGGAGGTCAAGTCCATTGTAGACTTTGT
GAAGGACCATGGGAACATCAAGGCCTTCATCTCCATCCACAGCTACTCCCAGCTCCTCAT
GTATCCCTATGGCTACAAAACAGAACCAGTCCCTGACCAGGATGAGCTGGATCAGCTTTC
CAAGGCTGTGACAGCCCTGGCCTCTCTACGGGACCAAGTCAACTATGGCAGCAT
CATCAAGGCAATTTATCAAGCCAGTGGAAAGCACTATTGACTGGACCTACAGCCAGGGCAT
CAAGTACTCCTTACCTTCGAGCTCCGGGACACTGGGCGTATGGCTTCTGCTGCCAGC
CTCCCAGATCATCCCACAGCCAAGGAGACGTGGCTGGCGTTCTGACCATCATGGAGCA
CACCTGAATCACCCCTACTGAGCTGACCCTTTGACACCCTTCTGTCTCCTCTCTGGC
CCCATCCAGGCAACCAAATAAAGTTTGAGTGTACCAGGAACAGAATCCTGGGGCTTGCAG
AAAAAAAAAAAAAAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for BC005279 unedited GATTTTGTAAACGACTGACTATAGGGCGGCCGGAATTCGGCCATTACGGCCGGGGGAC CTTCCCTCCCGGCAGCAGCATGCGGGGGTTGCTGGTGTGAGTGTCTGTGGGGGCTGT CTTTGGCAAGGAGGACTTTGTGGGGCATCAGGTGCTCCGAATCTCTGTAGCCGATGAGGC CCAGGTACAGAAGGTGAAGGAGCTGGAGGACCTGGAGCACCTGCAGCTGGACTTCTGGCG GGGCCCTGCCACCCTGGCTCCCCATCGACGTCGAGTGCCTTCCCCAGCATCCAGGC GGTCAAGATCTTTCTGGAGTCCCACGGCATCAGCTATGAGACCATGATCGAGGACGTGCA GTCGCTGTGGACGAGGAGCAGGAGCAGATGTTCCGCTTCCGGTCCCGGGCGCGCTCCAC CGACACTTTTAACTACGCCACCTACCACACCCTGGAGGAGATCTATGACTTCTGGACCT GCTGGTGGCGGAGAACC CGCACCTTGTGTCAGCAAGATCCAGATTGGCAACACCTATGAAGG GCGTCCCATTACGTGCTGAAGTTCAGCACGGGGGCGAGTAAGCGTCCAGCCATCTGGAT CGACACGGGCATCCATCCCGGGAGTGGGTCACCCAGGCCAGTGGGGTCTGGTTTGCAA GAAGATCACTCAAGACTACGGGCAGGATGCAGCTTTCACCGCCATTCTCGACACCTTGA CATCTTCTGGAGAT
Restriction Sites:	Please inquire
ACCN:	BC005279
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:	BC005279.1 , AAH05279.1
RefSeq Size:	1410 bp
Locus ID:	1357
Cytogenetics:	7q32.2
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protease, Secreted Protein
Gene Summary:	This gene encodes a member of the carboxypeptidase A family of zinc metalloproteases. This enzyme is produced in the pancreas and preferentially cleaves C-terminal branched-chain and aromatic amino acids from dietary proteins. This gene and several family members are present in a gene cluster on chromosome 7. Mutations in this gene may be linked to chronic pancreatitis, while elevated protein levels may be associated with pancreatic cancer. [provided by RefSeq, Jan 2015]