

## Product datasheet for SC125979

### Carboxypeptidase A2 (CPA2) (BC007009) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Carboxypeptidase A2 (CPA2) (BC007009) Human Untagged Clone
Tag:	Tag Free
Symbol:	Carboxypeptidase A2
Synonyms:	carboxypeptidase A2 (pancreatic)
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for BC007009 edited  
 CTGGACTCCAGGAAAACCCATGGCCATGAGGTTGATCCTGTTTTTTGGTGCCTTTTTGG  
 GCATATCTACTGTCTAGAAACATTTGTGGGAGACCAAGTCTTGAGATTGTACCAAGCAA  
 TGAAGAACAAATTAATAATCTGCTACAATTGGAGGCTCAAGAACATCTCCAGCTTGATTT  
 TTGAAAATCACCCACCACCCAGGGGAGACAGCCACGTCCGAGTTCCTTCGTCAACGT  
 CCAGGCAGTCAAAGTGTCTTGGGGTCCCAGGGAATTGCCTATCCATCATGATTGAAGA  
 CGTGCAGTCTGTTGGACAAAGAGAATGAAGAAATGCTTTTTAATAGGAGAAGAGAACG  
 GAGTGGTAACTTCAATTTGGGGCTACCATACCCTGGAAGAGATTTCCAAGAAATGGA  
 TAACCTCGTGGCTGAGCACCTGGTCTAGTGAGCAAAGTGAATATTGGCTCTTCTTTGA  
 GAACCGGCTATGAACGTGCTCAAGTTCAGCACCGGAGGAGACAAGCCAGCTATCTGGCT  
 GGATGCTGGGATCCATGCTCGAGAGTGGGTTACACAAGCTACGGCACTTTGGACAGCAA  
 TAAGATTGTTTCTGATTATGAAAAGGACCCATCCATCACTTCCATTCTGGACGCCCTGGA  
 TATCTTCTCCTGCCAGTCAAAACCCTGATGGATACGTGTTCTCTCAAACCAAAAATCG  
 TATGTGGCGGAAGACCCGGTCCAAGGTATCTGGAAGCCTCTGTGTTGGTGTGGATCCTAA  
 CCGGAAC TGGGATGCAGGTTTTGGAGGACCTGGAGCCAGCAGCAACCCCTTGCTCTGATTC  
 ATACCACGGACCCAGTGCCAACCTCTGAAGTTGAAGTGAATCCATAGTGGACTTCATCAA  
 GAGTCATGGAAAAGTCAAGGCCTTCACTACCCTCCACAGCTATCCCAGCTGCTGATGTT  
 CCCCTATGGGTACAAATGTACCAAGTTAGATGACTTTGATGAGCTGAGTGAAGTGGCCCA  
 AAAGCTGCCAATCTCTGAGAAGCCTGCATGGCACCAAGTACAAGTGGGACCAATCTG  
 CTCTGTCACTACCAAGCAGTGGAGGAAGCATTGACTGGTCTCTATGATTATGGCATCAA  
 GTACTCATTTGCCTTTGAACTGAGAGACACAGGGCGCTACGGCTTCTCTTGCCAGCCCG  
 TCAGATCTGCCACAGCCGAGGAGACCTGGCTTGGCTTGAAGGCAATCATGGAGCATGT  
 GCGAGACCACCCCTATTAGGGCCCTGGGAAGAAAACAAGAGCCATTAATACTCTTTGGT  
 TTGAAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC007009 unedited NGTAAGGTCANATTTTGTATACGACTCATATAGGCGGACCGCAATTCGGCCATTACGGC CCGGNGCTGGNACTCCAGNAAAACCCATGGCCATGAGGTTGATCCTGTTTTTGGTGCC CTTTTGGGCATATCTACTGTCTAGAAACATTTGTGGGAGACCAAGTTCTTGAGATTGTA CCAAGCAATGAAGAACAATTAATAATCTGCTACAATTGGAGGCTCAAGAACATCTCCAG CTTGATTTTTGGAAATCACCCACCACCCAGGGGAGACAGCCACGTCCGAGTTCCTTC GTCAACGTCCAGGCAGTCAAAGTGTCTTGGGGTCCCAGGGAATTGCCTATTCCATCATG ATTGAAGACGTGCAGGTCCTGTTGGACAAAGAGAATGAAGAAATGCTTTTTAATAGGAGA AGAGAACGGAGTGGTAACCTTCAATTTTGGGGCCTACCATACCCTGGAAGAGATTTCCCAA GAAATGGATAACCTCGTGGCTGAGCACCTGGTCTAGTGAGCAAAGTGAATATTGGCTCT TCTTTTGAGAACCGGCCTATGAACGTGCTCAAGTTCAGCACCGGAGGAGACAAGCCAGCT ATCTGGCTGGATGCTGGGATCCATGCTCGAGAGTGGGTTACACAAGCTACGGCACTTTGG ACAGCAAATAAGATTGTTTCTGATTATGGAAAGGCCATCCATCACTTCCATTCTGGAC GCCCTGGATATCTTCTCTGCCAGTCACAAACCCTGATGGATACGTGTTCTCTCAAACC AAAATCGTATGTGGCGAAAGACCCGGTCCAAGTATCTGGAAGCCTCTGTGTTNNGTGT GGATCCCTAACCGNNACTGGATGCANGTTTTGGAGGACCTGNAGCCGCAGCAACCTTGCT CTGATTCAA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC007009
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC007009.1</a> , <a href="#">AAH07009.1</a>
<b>RefSeq Size:</b>	1355 bp
<b>Locus ID:</b>	1358
<b>Cytogenetics:</b>	7q32.2
<b>Protein Families:</b>	Druggable Genome, Protease, Secreted Protein
<b>Gene Summary:</b>	Three different forms of human pancreatic procarboxypeptidase A have been isolated. The encoded protein represents the A2 form, which is a monomeric protein with different biochemical properties from the A1 and A3 forms. The A2 form of pancreatic procarboxypeptidase acts on aromatic C-terminal residues and is a secreted protein. [provided by RefSeq, Dec 2008]