

Product datasheet for **SC125556**

Carboxypeptidase A2 (CPA2) (NM_001869) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Carboxypeptidase A2 (CPA2) (NM_001869) Human Untagged Clone
Tag:	Tag Free
Symbol:	Carboxypeptidase A2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001869, the custom clone sequence may differ by one or more nucleotides

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ATGGCCATGAGGTTGATCCTGTTTTTGGTGCCCTTTTTGGGCATATCTACTGTCTAGAAACATTTGTGG
GAGACCAAGTTCTTGAGATTGTACCAAGCAATGAAGAACAATAAAAATCTGCTACAATTGGAGGCTCA
AGAACATCTCCAGCTTGATTTTTGGAAATCACCCACCACCCAGGGGAGACAGCCACGTCGAGTTCCC
TTCGTCAACGTCCAGGCAGTCAAAGTGTCTTGGAGTCCCAGGGAATTGCCTATTCATCATGATTGAAG
ACGTGCAGGTCCTGTTGGACAAAGAGAATGAAGAAATGCTTTTTAATAGGAGAAGAGAACGGAGTGGTAA
CTTCAATTTTGGGCCTACCATACCCTGGAAGAGATTTCCAAGAAATGGATAACCTCGTGGCTGAGCAC
CCTGGTCTAGTGAGCAAAGTGAATATTGGCTCTTCTTTTGAGAACCAGGCTATGAACGTGCTCAAGTTCA
GCACCGGAGGAGACAAGCCAGCTATCTGGCTGGATGCTGGGATCCATGCTCGAGAGTGGTTACACAAGC
TACGGCACTTTGGACAGCAAATAAGATTGTTTCTGATTATGAAAAGGACCCATCCATCACTTCCATTCTG
GATGCCCTGGATATCTTCTCCTGCCAGTCACAAACCCTGATGGATACGTGTTCTCTCAAACAAAAATC
GTATGTGGCGGAAGACCCGGTCCAAGGTATCTGGAAGCCTCTGTGTTGGTGTGGATCCTAACCGGAACTG
GGATGCAGGTTTTGGAGGACCTGGAGCCAGCAGCAACCCTTGCTCTGATTCATACCACGGACCCAGTGCC
AACTCTGAAGTTGAAGTGAATCCATAGTGGACTTCATCAAGAGTCATGAAAAGTCAAGGCCTTCATTA
CCCTCCACAGCTATCCAGCTGCTGATGTTCCCTATGGGTACAAATGTACCAAGTTAGATGACTTTGA
TGAGCTGAGTGAAGTGGCCAAAAGGCTGCCCAATCTCTGAGAAGCCTGCATGGCACCAAGTACAAAGTG
GGACCAATCTGCTCTGTATCTACCAAGCCAGTGGAGGAAGCATTGACTGGTCCTATGATTATGGCATCA
AGTACTCATTGCTTTGAACTGAGAGACACAGGGCGCTACGGCTTCTCTTGCCAGCCCGTCAGATCCT
GCCACAGCCGAGGAGACCTGGCTTGGCTTGAAGGCAATCATGGAGCATGTGCGAGACCACCCCTATTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001869 unedited AGTTGGGATTTGTATACGACTTATATAGGCGGCCGCGGAATTCGCCATTACGGGCCGGGG GCTGTGACTCCAGGNAAAACCCATGGGCGTGAGGGTGATCCTGTTTTTGGTGCCCTTTT TGGGCATATCTACTGTCTAGAAACATTTGTGGGAGACCAAGTTCTTGAGATTGTACCAAG CAATGAAGAACAATTAATAATCTGCTACAATTGGAGGCTCAAGAACATCTCCAGTTGA TTTTTGGAGATCACCCACCACCCAGGGGAGACAGCCACGTCCGAGTTCCCTTCGTC CGTCCAGGCAGTCAAAGTGTCTTGGGGTCCCAGGGAATTGCCTATTCCATCATGATTGA AGACGTGCAGGTCTGTTGGACAAAGAGAATGAAGAAATGCTTTTTAATAGGAGAAGAGA ACGGAGTGGTAACTTCAATTTTGGGGCCTACCATACCCTGGAAGAGATTCCCAAGAAAT GGATAACCTCGTGGCTGAGCACCTGGTCTAGTGAGCAAAGTGAATATTGGCTCTCTTT TGAGAACCGGCCTATGAACGTGCTCAAGTTCAGCACCGGAGGAGACAAGCCAGCTATCTG GCTGGATGCTGGGATCCATGCTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCCTG AACAGATCCCGGGTGGCATCCCTGTGACCCCTCCAGTGCCTCTCCTGGCCCTGGAGTTG CCACTCCAGTGCCACCAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGACT AGGTGCTCTTCTATAATAATGGGTGGAGGGGGTGGTATTGGACCAAGGGCAATTT GGGAAAACACCCTGTAGGCGCTCGGGGTCTATTGGGGACCCAAGCTGGGTGCACTGGCC AATTCTGGGTCACTGGATCTC
Restriction Sites:	Please inquire
ACCN:	NM_001869
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_001869.1 , NP_001860.1
RefSeq Size:	1342 bp
RefSeq ORF:	1254 bp
Locus ID:	1358
UniProt ID:	P48052
Cytogenetics:	7q32.2
Protein Families:	Druggable Genome, Protease, Secreted Protein

Gene Summary:

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]