

Product datasheet for **SC327843**

Carboxypeptidase A2 (CPA2) (NM_001869) Human Untagged Clone

Product data:

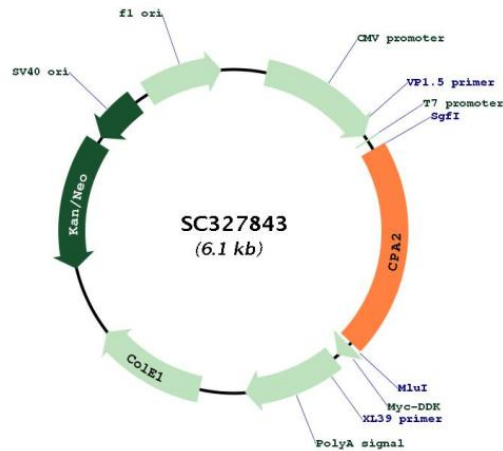
Product Type:	Expression Plasmids
Product Name:	Carboxypeptidase A2 (CPA2) (NM_001869) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327843 representing NM_001869. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCATGAGGTTGATCCTGTTTTTGGTGCCCTTTTTGGGCATATCTACTGTCTAGAAACATTTGTG
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CAAGAACATCTCCAGCTTGATTTTTGGAATCACCCACCACCCAGGGGAGACAGCCACGTCGGAGTT
CCCTTCGTCACGTCAGGCAGTCAAAGTGTCTTGGAGTCCCAGGAATTGCCTATTCCATCATGATT
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001869

Insert Size: 1260 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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_001869.2](#)

RefSeq Size: 1342 bp

RefSeq ORF: 1260 bp

Locus ID: 1358

UniProt ID: [P48052](#)

Cytogenetics:	7q32.2
Protein Families:	Druggable Genome, Protease, Secreted Protein
MW:	47 kDa
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]