

Product datasheet for MC204725

Cpa1 (NM_025350) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cpa1 (NM_025350) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cpa1
Synonyms: 0910001L12Rik; Cpa
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC052661
AAGAGGTAATCCCAGCTGGGAGACCTCAGGGACAGCTGACCCCATGGTCAAGGGTGAAAGCCTGGCTTA
TCTCTCCACCTGCCTTGTCCCTGATACTTTATCAGGAAGAGAGGAAAGGTGCCACAGTTTGGAACTCCT
GCCTCTCCCTCCCATGAGACTTGATCCAGATGTGAGGGGAACTGTCCCAAGGGACCTCGTCAGTGTTT
AAAAAGGCCCCAGACCTCAGTCTTGGTCTCAGCCTGACCGTCTCGCCATGAAGAGGCTGCTGGTTCTGAG
TGTGCTGCTGGCAGCAGTCTTCGGCAATGAGAAGTTTGTGGGGCACCAGGTTCTCCGAATCTCTGCCACC
GACGAAGCCCAGGTGCAGAAAAGTGAGGGAGCTGGAGGAGTTGGAGCACTTGAAGTTGGACTTCTGGCGGG
ACCCTGCCCGGGTGGTCTCCCCATCGATGTTTCGAGTGCCTTCCCCACCATCCAGTCCGTGAAAGCATT
CTTGGAATATCATGATATTAGCTATGAGATCATGATCGAAGATGTGCAGTCTCTGCTCGACGAGGAGAAG
CAGCAGATGTCCGCTTCCAGGCCAGGGCTCTGTCCACCGATGCTTTCAATTATGCCACCTACCATACTC
TGGATGAGATCTATGAATTCATGGACCTGCTGGTTACAGAGCACCCACAGCTTGTAAAGCAAGATCCAGAT
CGGCAGCACCTTTGAAGTTCGTCCCATCAATGTGCTGAAGTTTCAGCACTGGAGGGACCAATCGCCAGCA
ATCTGGATTGACACTGGCATCCATTCCAGGGAGTGGGTCACTCAGGCCAGTGGGGTCTGGTTTGAAAAA
AGATCACGAAGGACTATGGCCAGGAACCCACCCTCACGGCCATTCTTGACAACATGGACATCTTCTCTGGA
GATTGTAACAAACCTGATGGTTTTGTCTACACCCACAAAACGAATCGCATGTGGCGCAAAACTCGATCA
CACACCGAGGGCTCCCTCTGCGTCGGGGTGGACCCCAACGAAGTGGATGCTGCCTTTGGGATGCCCCG
GAGCTAGTAGCAACCCCTGCTCAGAAACTTACCGTGGCAAGTTTCCCAACTCTGAAGTGGAGGTCAAGTC
CATCGTGGACTTTGTGACGAGCCACGGGAACATCAAGGCCTTTCATCTCCATCCACAGCTACTCCCAGCTC
TTCTCTACCCCTATGGCTACACATCAGAACCAGCTCCTGACAAGGAGGAGCTGGATCAGCTAGCAAAAT
CTGCTGTGACAGCCTTGACATCTTACACGGGACCAAGTTCAAGTATGGCAGTATCATTGATACGATCTA
TCAAGCCAGTGGGAGCACTATTGACTGGACCTACAGCCAGGGCATCAAGTATTCTTCACTTTTGGAGCTG
AGGGACTGAGGGCTCAGAGGTTTCTGCTGCCTCCAGATCATCCCAACAGCGGAGGAGACATGGC
TGGCCCTTTTACCATCATGGACCACACTGTCAAACACCCTACTGAAGAAGCTTTTATCCCTTCCCTT
TTCTTCTCCTTAGCCCCATTTAGGCAACCCAATAAAGTCTGATTGTAACATAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_025350
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).
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:	BC052661 , AAH52661
RefSeq Size:	1605 bp
RefSeq ORF:	1260 bp
Locus ID:	109697
UniProt ID:	Q7TPZ8
Cytogenetics:	6 12.52 cM
Gene Summary:	This gene encodes carboxypeptidase A, a zinc-dependent metalloprotease that cleaves peptide bonds at the C-terminus of protein substrates. The encoded preproprotein undergoes proteolytic activation to generate a mature, functional enzyme. This gene is expressed in pancreas, the encoded protein is a major component of digestive enzymes secreted by pancreas and plays an important role in the process of digestion. This gene is located in a cluster of related carboxypeptidase genes on chromosome 6. [provided by RefSeq, Jan 2016]