

Product datasheet for SC118994

Carboxypeptidase B (CPB1) (NM_001871) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Carboxypeptidase B (CPB1) (NM_001871) Human Untagged Clone
Tag:	Tag Free
Symbol:	Carboxypeptidase B
Synonyms:	CPB; PASP; PCPB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118994 sequence for NM_001871 edited (data generated by NextGen Sequencing)

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ATGTTGGCACTCTTGGTTCTGGTACTGTGGCCCTGGCATCTGCTCATCATGGTGGTGAG
CACTTTGAAGGCGAGAAGGTGTTCCGTGTTAACGTTGAAGATGAAAATCACATTAACATA
ATCCGCGAGTTGGCCAGCACGACCCAGATTGACTTCTGGAAGCCAGATTCTGTCACACAA
ATCAAACCTCACAGTACAGTTGACTTCCGTGTTAAAGCAGAAGATACTGCACTGTGGAG
AATGTTCTAAAGCAGAATGAACTACAATAACAAGTACTGATAAGCAACCTGAGAAATGTG
GTGGAGGCTCAGTTTATAGCCGGTTCGTGCAACAGGACACAGTTATGAGAAGTACAAC
AAGTGGGAAACGATAGAGGCTTGGACTCAACAAGTCGCCACTGAGAATCCAGCCCTCATC
TCTCGCAGTGTTATCGGAACCACATTTGAGGGACGCGCTATTTACCTCCTGAAGGTTGGC
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ATCCAAGTGACAGAGCTTCTCAACAAGTTAGACTTTTATGTCTCCTGCCTGTGCTCAATATT
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CTGACAATCCACTCGTACTCCCAAATGATGATCTACCTTACTCATATGCTTACAAACTC
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CTGCACGGCACCAAGTACACATATGGCCCGGGAGCTACAACAATCTATCCTGCTGCTGGG
GGCTCTGACGACTGGGCTTATGACCAAGGAATCAGATATTCTTACCTTTGAACTTCGA
GATACAGGCAGATATGGCTTTCTCCTTCCAGAATCCCAGATCCGGGCTACCTGCGAGGAG
ACCTTCTGGCAATCAAGTATGTTGCCAGCTACGTCTGGAACACCTGTACTAG

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Clone variation with respect to NM_001871.2

622 g=>a



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001871 unedited TTTGTATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCACTAGACCTGGT CAGACACAATGTTGGCACTCTTGGTTCTGGTGACTGTGGCCCTGGCATCTGCTCATCATG GTGGTGAGCACTTTGAAGGCGAGAAGGTGTTCCGTGTTAACGTTGAAGATGAAAATCACA TTAACATAATCCGCGAGTTGGCCAGCACGACCCAGATTGACTTCTGGAAGCCAGATTCTG TCACACAAATCAAACCTCACAGTACAGTTGACTCCGTGTTAAAGCAGAAGATACTGTCA CTGTGGAGAATGTTCTAAAGCAGAATGAACTACAATAACAAGTACTGATAAGCAACCTGA GAAATGTGGTGGAGGCTCAGTTTGATAGCCGGTTCGTGCAACAGGACACAGTTATGAGA AGTACAACAAGTGGGAAACGATAGAGGCTTGGACTCAACAAGTCGCCACTGAGAATCCAG CCCTCATCTCTCGCAGTGTATCGGAACCACATTTGAGGGACGCGCTATTTACCTCCTGA AGGTTGGCAAAGCTGGACAAAATAAGCCTGCCATTTTCATGGACTGTGGTTTCCATGCCA GAGAGTGGATTTCTCCTGCATTCTGCCAGTGGTTTGAAGAGAGGCTGTTCTGTACCTATG GACGTGAGATCCAAGTGACAGAGCTTCTCAANCAGNTAGACTTTTATGTNCTGCCTGTGC TCAATATTGATGGCTACATCTACACCTGGACCAAGAGCCGANTTTGAAGAAAGACTCGCT CCACCCATACTGGATCTAGCTGCATTGGCACAGACCCCCACAGAAATTTTGATGCTGGNN TGTGTGAATTTGGAGCCTCTCGAAANCCTGTGAATGAACTTACTGTGGACTGTCCGANA GTCTGAAAAGGAGACCANGCCCTGNCTGAATTCATCCGCACAAATTTCTTTCATCAGGCA TACCTGACATCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_001871
Insert Size:	1500 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:	NM_001871.2 , NP_001862.2
RefSeq Size:	1473 bp
RefSeq ORF:	1254 bp
Locus ID:	1360
UniProt ID:	P15086
Cytogenetics:	3q24
Domains:	Zn_carbOpept, Propep_M14

Protein Families: Druggable Genome, Protease, Secreted Protein

Gene Summary: Three different procarboxypeptidases A and two different procarboxypeptidases B have been isolated. The B1 and B2 forms differ from each other mainly in isoelectric point. Carboxypeptidase B1 is a highly tissue-specific protein and is a useful serum marker for acute pancreatitis and dysfunction of pancreatic transplants. It is not elevated in pancreatic carcinoma. [provided by RefSeq, Jul 2008]