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Product datasheet for SC205032

PCB (PC) (NM_000920) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PCB (PC) (NM_000920) Human 3' UTR Clone
Symbol:	PCB
Synonyms:	PCB
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000920
Insert Size:	509 bp
Insert Sequence:	>SC205032 3'UTR clone of NM_000920 The sequence shown below is from the reference sequence of NM_000920. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GGTGACGACCTCATCCTGGAGATCGAGTGATCTTGCCCCAGACCGGCAGCCTGGCCATCCCCAAGCCTT CAACAGAAGCTGTGCTGCCACGGCAGGCCCAGGCCAGCCAGTGCCCGAGGCCAGGAAGGCCGGGCCGTG GAGGTCCTGTCCACAGCTGGACAGGAGAGACACCGCCTGCGGTGGTTCATTCCTTTCAGCCATCGTCCT TTCCTCCGGCGGACAGCTGCTTACATGTTCATCTCTTGCCAAATAAGGGTCCCCTCCTCACTGGAGACT ACAAGTGGTGGGTCAGGTGGTCCTAGGACCCAGGGGAGGTTTAGGGGTCCTATCTCCTGGGGGAAGGGG AGATCTAAGATGTCCCAGGTCCTGGGAAGTTTACTCAATAAAGCTGGCTTTCCCCTGCCCTCCATGCTG GATCCTGTGCAGCCCCCAGCCTGCACCACTCAGCAGTGGGGGGCTGCCTTTCAAGCTCCCCATGGGTGG GCAGGTCAGTTGTGTCGTTCTCCTCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

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Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_000920.4

Summary: This gene encodes pyruvate carboxylase, which requires biotin and ATP to catalyse the carboxylation of pyruvate to oxaloacetate. The active enzyme is a homotetramer arranged in a tetrahedron which is located exclusively in the mitochondrial matrix. Pyruvate carboxylase is involved in gluconeogenesis, lipogenesis, insulin secretion and synthesis of the neurotransmitter glutamate. Mutations in this gene have been associated with pyruvate carboxylase deficiency. Alternatively spliced transcript variants with different 5' UTRs, but encoding the same protein, have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 5091

MW: 18.5