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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PC (Human) Recombinant Protein (Q01)

Catalog Number: H00005091-Q01

Regulation Status: For research use only (RUO)

Product Description: Human PC partial ORF (NP_000911, 1 a.a. - 104 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MLKFRTVHGGLRLLGIRRTSTAPAASPNVRRLEYKPIK
KVMVANRGEIAIRVFRACTELGIRTVAIYSEQDTGQMH
RQKADEAYLIGRGLAPVQAYLHIPDIIK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 37.18

Interspecies Antigen Sequence: Mouse (93); Rat (94)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5091

Gene Symbol: PC

Gene Alias: PCB

Gene 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]