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PDHX, 54-501aa, Human, His tag, E.coli

产品货号: TP03326

第三版

别名: Pyruvate dehydrogenase protein X component, mitochondrial, DLDBP, E3BP, OPDX, PDX1, proX

描述: The pyruvate dehydrogenase (PDH) complex is located in the mitochondrial matrix and catalyzes the conversion of pyruvate to acetyl coenzyme A. The PDH complex thereby links glycolysis to Krebs cycle. The PDH complex contains three catalytic subunits, E1, E2, and E3, two regulatory subunits, E1 kinase and E1 phosphatase, and a non-catalytic subunit, E3 binding protein (E3BP). This gene encodes the E3 binding protein subunit; also known as component X of the pyruvate dehydrogenase complex. This protein tethers E3 dimers to the E2 core of the PDH complex. Recombinant human PDHX protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In Phosphate buffer saline (pH 7.4) containing 20% glycerol, 1mM DTT

分子量: 50.4 kDa (471aa)

序列:

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MGSSHHHHHSSGLVPRGSHMGSGDPIKILMPSLSPTMEEGNIVKWLKKEGEAVSAGDALCEIETDKAVVTLDASDDGIL  
AKIVVEEGSKNIRLGLIGLIVEEGEDWKHVEIPKDVGPPPPVSKPSEPRPSPEPQISIPVKKEHIPGTLRFLSPAARNILEKHS  
LDASQGTATGPRGIFTKEDALKLVQLKQTGKITESRPTPAPTATPTAPSPLQATAGPSYPRVIPPVSTPGQPNAVGTFTFTEIP  
ASNIRRVIAKRLTESKSTVPHAYATADCDLGA VLKVRQDLVKDDIKVSVNDFI I KAAA VTLKQMPDVNVSWDGEGPKQL  
PFIDISVAVATDKGLLTPIIKDAAAKGIQEIADSVKALSKKARDGKLLPEEYQGGSFISNLGMFGIDEFTAVINPPQACILAV  
GRFRPVLKLTEDDEEGNAKLQQRQLITVTMSSDSRVVDDELATRFLKSFKANLENPIRLA
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纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.