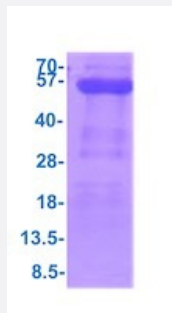


PDHX (Human) Recombinant Protein

Catalog # P7787 Size 100 ug

Applications



SDS-PAGE analysis of PDHX (Human) Recombinant Protein

Specification

Product Description	Human PDHX (NP_003468, 54 a.a. - 501 a.a) partial recombinant protein with His tag expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMGSGDPIKILMPSLSPTMEEGNIVKWLKKEGEAVSAGDALCEIET DKAVVTLDASDDGILAKIVVEEGSKNIRLGSLIGLVEEGEDWKHVEIPKDVGPPPPVSKPSEPRP SPEPQISIPVKKEHIPGTLRFRLSPAARNILEKHSLDASQGTATGPRGIFTKEDALKLVQLKQTGKIT ESRPTPAPTATPTAPSPLQATAGPSYPRPVIPPVSTPGQPNVGTFTFTEIPASNIRRVIAKRLTESKS TVPHAYATADC DLGAVLKVRQDLVKDDIKVSVNDFIHKAAAVTLKQMPDVNVSWDGEGPKQLPFI DISVAVATDKGLLTPIIKDAAAKGIQEIADSVKALSKKARDGKLLPEEYQGGSFISISNLGMFGIDEFT AVINPPQACILAVGRFRPVKLKLTDEEENAKLQQRQLITVTMSSDSRVVDDELATRFLKSFKANLE NPIRLA
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	50.4
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 85% by SDS-PAGE
Quality Control Testing	3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain. SDS-PAGE analysis of PDHX (Human) Recombinant Protein

Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (1 mM DTT, 20% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — PDHX

Entrez GeneID	8050
Protein Accession#	O00330
Gene Name	PDHX
Gene Alias	DLDBP, E3BP, OPDX, PDX1, proX
Gene Description	pyruvate dehydrogenase complex, component X
Omim ID	245349 608769
Gene Ontology	Hyperlink
Gene Summary	The PDHX gene encodes component X of the pyruvate dehydrogenase (PDH) complex. For a detailed description of the pyruvate dehydrogenase complex, see MIM 300502. The mammalian PDH complex differs from that in E. coli and from the other mammalian alpha-keto acid dehydrogenases by the presence of a 53-kD protein called protein X. Component X binds to the E3 (MIM 238331) component of the PDH complex (Robinson et al., 1990 [PubMed 2112155]; Aral et al., 1997 [PubMed 9399911]).[supplied by OMIM]
Other Designations	E3-binding protein pyruvate dehydrogenase complex, lipoyl-containing component X