

Pyruvate Dehydrogenase Complex, Component X Human Recombinant

Item Number	rAP-1048
Synonyms	DLDBP, E3BP, OPDX, PDX1, proX, Pyruvate Dehydrogenase Complex, Component X, Dihydrolipoamide Dehydrogenase-Binding Protein Of Pyruvate Dehydrogenase Complex, Lipoyl-Containing Pyruvate Dehydrogenase Complex Component X, Pyruvate Dehydrogenase Complex, Lip
Description	PDHX Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 471 amino acids (54-501 a.a) and having a molecular mass of 50.4kDa. PDHX is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	O00330
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSGDPKIL MPSLSPTMEE GNIVKWLKKE GEAVSAGDAL CEI-ETDKAVV TLDASDDGIL AKIVVEEGSK NIRLGSILIGL IVEEGEDWKH VEIPKDVGPP PPVSKPSEPR PSPEPQISIP VKKEHIPGTL RFLSPAARN ILEKHSLDAS QGTATGPRGI FTKEDALKLV QLKQTGKITE SRPTPAPTAT PTAPSPLQAT AGPSYPRPVI PPVSTPGQPN AVGTFTEIPA SNIRRVIAKR LTESKSTVPH AYATADCDLG AVLKVRQDLV KDDIKVSVND FIIKAAAVTL KQMPDVNVSW DGEQPKQLPF IDISVAVATD KGLLTPIIKD AAAKGIQEIA DSVKALSKKA RDGKLLPEEY QGGFSFISNL GMFGIDEFTA VINPPQACIL AVGRFRPVLK LTEDEEGNAK LQQRQLITVT MSSDSRVVDD ELATRFLKSF KANLENPIRL A.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	PDHX protein solution (0.25mg/ml) containing Phosphate buffer saline (pH 7.4) and 20% glycerol, 1mM DTT. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**