abcam

Product datasheet

Recombinant Human PDHX protein (His tag) ab202213

1 Image

Description

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Product name	Recombinant Human PDHX protein (His tag)	
Purity	> 85 % SDS-PAGE. ab202213 was purified using conventional chromatography.	
Expression system	Escherichia coli	
Accession	<u>000330</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence		MGSSHHHHHH SSGLVPRGSH MGSGDPIKIL MPSLSPTMEE GNIVKWLKKE GEAVSAGDAL CEIETDKAVV TLDASDDGIL AKIVVEEGSK NIRLGSLIGL IVEEGEDWKH VEIPKDVGPP PPVSKPSEPR PSPEPQISIP VKKEHIPGTL RFRLSPAARN ILEKHSLDAS QGTATGPRGI FTKEDALKLV QLKQTGKITE SRPTPAPTAT PTAPSPLQAT AGPSYPRPVI PPVSTPGQPN AVGTFTEIPA SNIRRVIAKR LTESKSTVPH AYATADCDLG AVLKVRQDLV KDDIKVSVND FIIKAAAVTL KQMPDVNVSW DGEGPKQLPF IDISVAVATD KGLLTPIIKD AAAKGIQEIA DSVKALSKKA RDGKLLPEEY QGGSFSISNL GMFGIDEFTA VINPPQACIL AVGRFRPVLK LTEDEEGNAK LQQRQLITVT MSSDSRVVDD ELATRFLKSF KANLENPIRL A
Predicted molecular weight	50 kDa including tags	
Amino acids	54 to 501	
Tags	His tag N-Terminus	

Additional sequence information This is the full length mature protein without the transit peptide. NCBI Accession No.: NP_003468.

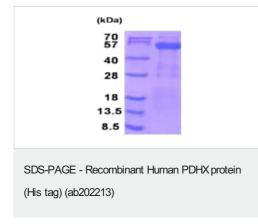
Specifications

Our Abpromise guarantee covers the use of ab202213 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Preparation and Storage	
Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or - 80°C. Avoid freeze / thaw cycle.
	pH: 7.40
	Constituents: PBS, 20% Glycerol (glycerin, glycerine), 0.02% DTT
General Info	
Function	Required for anchoring dihydrolipoamide dehydrogenase (E3) to the dihydrolipoamide transacetylase (E2) core of the pyruvate dehydrogenase complexes of eukaryotes. This specific binding is essential for a functional PDH complex.
Involvement in disease	Defects in PDHX are the cause of pyruvate dehydrogenase E3-binding protein deficiency (PDHXD) [MIM:245349].
Sequence similarities	Belongs to the 2-oxoacid dehydrogenase family. Contains 1 lipoyl-binding domain.
Cellular localization	Mitochondrion matrix.

Images



15% SDS-PAGE analysis of 3 µg ab202213

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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