

## Product datasheet

# Recombinant Human PDHX protein (His tag) ab202213

1 Image

### Description

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<b>Product name</b>	Recombinant Human PDHX protein (His tag)
<b>Purity</b>	> 85 % SDS-PAGE. ab202213 was purified using conventional chromatography.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>O00330</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<pre>MGSSHHHHHH SSGLVPRGSH MGSGDPIKIL MPSLSPTMEE GNIVKWLKKE GEAVSAGDAL CEIETDKAVV TLDASDDGIL AKIVVEEGSK NIRLGSLIGL VEEGEDWKH VEIPKDVGPP PPVSKPSEPR PSPEPQISIP VKKEHIPGTL RFRLSPAARN ILEKHSLDAS QGTATGPRGI FTKEDALKLV QLKQTGKITE SRPTAPTAT PTAPSPLQAT AGPSYPRPVI PPVSTPGQPN AVGTFTEIPA SNIRRVIAKR LTESKSTVPH AYATADCDLG AVLKVRQDLV KDDIKVSVND FIIKAAAVTL KQMPDVNVSW DGEGPKQLPF IDISVAVATD KGLLTPIIKD AAAKGIQEIA DSVKALSKKA RDGKLLPEEY QGGSFISISNL GMFGIDEFTA VINPPQACIL AVGRFRPVLK LTEDDEEENAK LQQRQLITVT MSSDSRVVDD ELATRFLKSF KANLENPIRL A</pre>
<b>Predicted molecular weight</b>	50 kDa including tags
<b>Amino acids</b>	54 to 501
<b>Tags</b>	His tag N-Terminus
<b>Additional sequence information</b>	This is the full length mature protein without the transit peptide. NCBI Accession No.: NP_003468.

### Specifications

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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.

## Applications

SDS-PAGE

## 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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