

## Product datasheet

### Recombinant Human HPD protein ab99868

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#### Description

<b>Product name</b>	Recombinant Human HPD protein
<b>Purity</b>	> 90 % SDS-PAGE. ab99868 is purified using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>P32754</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>	<p><b>MGSSHHHHHHSSGLVPRGSH</b>MTTYSDKGAKPERGRFL  HFHSVTFWVGNAK  QAASFYCSKMGFEPLAYRGLETGSREVVSHVIKQGKIVFV  LSSALNPWNK  EMGDHLVKHGDGVKDIAFEVEDCDYVQKARERGAKIMR  EPWVEQDKFGK  VKFAVLQTYGDTTHTLVEKMNYIGQLPGYEAPAFMDPLL  PKLPKCSLEM  IDHIVGNQPDQEMVSASEWYLKNLQFHRFWSVDDTQVHT  EYSSLRSIVA  NYEESIKMPINEPAPGKKKSQIQEYVDYNGGAGVQHIALKT  EDIITAIRH  LRERGLEFLSVPSTYYQLREKLKTAKIKVKENIDALEELKI  LVDYDEKG  YLLQIFTKPVQDRPTLFLFVIQRHNNHQGFAGNFNSLFKAF  EEEQNLRGNLTNMETNGVVPGM</p>
<b>Predicted molecular weight</b>	47 kDa including tags
<b>Amino acids</b>	1 to 393
<b>Tags</b>	His tag N-Terminus

#### Specifications

Our **Abpromise guarantee** covers the use of **ab99868** in the following tested applications.

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

<b>Applications</b>	Mass Spectrometry SDS-PAGE
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

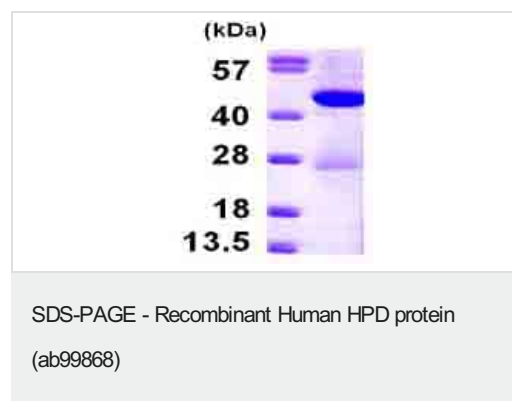
## Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.  pH: 8.00 Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.29% Sodium chloride
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## General Info

<b>Function</b>	Key enzyme in the degradation of tyrosine.
<b>Pathway</b>	Amino-acid degradation; L-phenylalanine degradation; acetoacetate and fumarate from L-phenylalanine: step 3/6.
<b>Involvement in disease</b>	Tyrosinemia 3 Hawkinsinuria
<b>Sequence similarities</b>	Belongs to the 4HPPD family.

## Images



15% SDS-PAGE showing ab99868 (3µg).

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

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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