

## Product datasheet

# Recombinant Human HPD protein ab99868

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### Overview

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**Product name** Recombinant Human HPD protein  
**Protein length** Full length protein

### Description

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**Nature** Recombinant  
**Source** Escherichia coli

### Amino Acid Sequence

**Accession** [P32754](#)

**Species** Human

**Sequence** **MGSSHHHHHSSGLVPRGSH**MTTYSDKGAKPERGRFLHFHSVTFWVGNAK  
 QAASFYCSKMGFEPLAYRGLTGSREVVSHVIKQGKIVFLSSALNPWNK  
 EMGDHLVKHGDGVKDIAFEVEDCDYVQKARERGAKIMREPWVEQDKFGK  
 VKFAVLQTYGDTTHTLVEKMNYIGQFLPGYEAPAFMDPLLPKLPKCSLEM  
 IDHIVGNQPDQEMVSASEWYLKNLQFHRFWSVDDTQVHTEYSSLRSMVVA  
 NYEESIKMPINEPAPGKKKSQIQEYVDYNGGAGVQHIALKTEDIITAIRH  
 LRERGLEFLSVPSTYYQLREKLKTAKIKVKENIDALEELKILVDYDEKG  
 YLLQIFTKPVQDRPTLFLEVIQRHNNHQGFAGNFNSLFKAFEEEEQNLRGN  
 LTNMETNGVVPGM

**Molecular weight** 47 kDa including tags  
**Amino acids** 1 to 393  
**Tags** His tag N-Terminus

### Specifications

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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.

**Applications** Mass Spectrometry  
 SDS-PAGE

**Mass spectrometry** MALDI-TOF

**Purity** > 90 % SDS-PAGE.

ab99868 is purified using conventional chromatography techniques.

**Form** Liquid

## Preparation and Storage

**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Preservative: None

Constituents: 20% Glycerol, 50mM Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0

## General Info

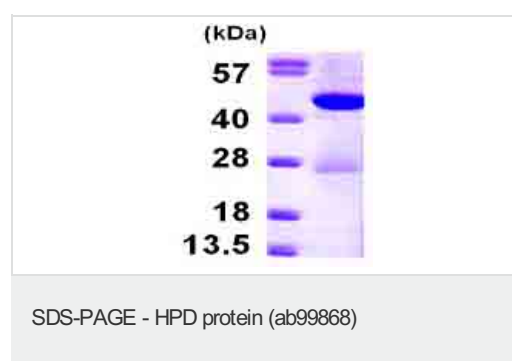
**Function** Key enzyme in the degradation of tyrosine.

**Pathway** Amino-acid degradation; L-phenylalanine degradation; acetoacetate and fumarate from L-phenylalanine: step 3/6.

**Involvement in disease** Tyrosinemia 3  
Hawkinsinuria

**Sequence similarities** Belongs to the 4HPPD family.

## Images



15% SDS-PAGE showing ab99868 (3µg).

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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