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Datasheet for ABIN7504499

## Phenylalanine Hydroxylase Protein (AA 1-452) (His tag)

### Overview

Quantity:	100 µg
Target:	Phenylalanine Hydroxylase
Protein Characteristics:	AA 1-452
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Phenylalanine Hydroxylase protein is labelled with His tag.

### Product Details

Purpose:	Human PAH (D415N) Protein
Sequence:	Met1-Lys452 (D415N)
Characteristics:	Recombinant Human PAH (D415N) Protein is expressed from Baculovirus-Insect Cells with His tag at the N-terminus. It contains Met1-Lys452 (D415N).
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

### Target Details

Target:	Phenylalanine Hydroxylase
Alternative Name:	PAH ( <a href="#">Phenylalanine Hydroxylase Products</a> )

## Target Details

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**Background:** Phenylalanine hydroxylase (PAH) is a member of aromatic amino acid hydroxylase (AAAHs) family, and catalyze phenylalanine (Phe) into tyrosine (Tyr). PAH is also an allosteric enzyme that maintains phenylalanine (Phe) below neurotoxic levels, its failure results in phenylketonuria, an inborn error of amino acid metabolism.

**Molecular Weight:** 52.82 kDa same as Tris-Bis PAGE result.

**UniProt:** [P00439](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

**Buffer:** Lyophilized from 0.22 µm filtered solution in 20 mM Tris, 0.5M NaCl ( pH 8.0). Normally 8 % trehalose is added as protectant before lyophilization.

**Storage:** -20 °C,-80 °C

**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months