

Datasheet for ABIN7588398

## Phenylalanine Hydroxylase Protein (AA 2-451) (His tag)



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### Overview

Quantity:	100 µg
Target:	Phenylalanine Hydroxylase
Protein Characteristics:	AA 2-451
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Phenylalanine Hydroxylase protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>SALVLESRA LGRKLSDFGQ ETSYIEGNSD QNAVSLIFSL KEEVGALARV LRLFEENDIN</p> <p>LTHIESRPSR LRKDEYEFFT NLDQRSVPAL ANIIKILRHD IGATVHELSE DKKKDTVPWF</p> <p>PRTIQELDNF ANQVLSYGAE LDADHPGFKD PVYRARRKQF ADIAYNYRHG QPIPRVEYTE</p> <p>EEKKTWGTVF RTLKSLYKTH ACYEHNHIFP LLEKYCGFRE DNIPQLEEVS QFLQSCTGFR</p> <p>LRPVAGLLSS RDFLGGLAFR VFHCTQYIRH GSKPMYTPPE DICHELLGHV PLFSDRSFAQ</p> <p>FSQEIGLASL GAPDEYIEKL ATIYWFTVEF GLCKQGDSIK AYGAGLLSSF GELQYCLSDK</p> <p>PKLLPLELEK TAVQEYTITE FQPLYVAES FNDAKEKVRN FAATIPRPFS VHYDPYTQRI</p> <p>EVLNTQQLK ILADSSISSEV EILCSALQKL K</p>
Specificity:	Bos taurus (Bovine)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

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Purity: > 90 %

## Target Details

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Target: Phenylalanine Hydroxylase

Alternative Name: Phenylalanine-4-hydroxylase (PAH) ([Phenylalanine Hydroxylase Products](#))

Target Type: Chemical

Background: Recommended name: Phenylalanine-4-hydroxylase.

Short name= PAH.

EC= 1.14.16.1.

Alternative name(s): Phe-4-monooxygenase

UniProt: [Q2KIH7](#)

## Application Details

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Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Handling

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Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.