

Datasheet for ABIN7585417

Phenylalanine Hydroxylase Protein (AA 2-453) (His tag)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Phenylalanine Hydroxylase
Protein Characteristics:	AA 2-453
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Phenylalanine Hydroxylase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	AAVLENGV LSRKLSDFGQ ETSYIEDNSN QNGAISLIFS LKEEVGALAK VLRLFEENDI NLTHIESRPS RLNKDEYEFF TYLDKRTKPV LGSIIKSLRN DIGATVHELSDRKEKNTVPW FPRTIQELDR FANQILSYGA ELDADHPGFK DPVYRARRKQ FADIAYNYRH GQPIPRVEYT EEEKQTWGTV FRTLKALYKT HACYEHNHIF PLLEKYCGFR EDNIPQLEDV SQFLQTCTGF RLRPVAGLLS SRDFLGGLAF RVFHCTQYIR HGSKPMYTPE PDICHELLGH VPLFSDRSFA QFSQEIGLAS LGAPDEYIEK LATIYWFTVE FGLCKEGDSI KAYGAGLLSS FGELQYCLSD KPKLLPLELE KTACQEYSVT EFQPLYVVAE SFSDAKEKVR TFAATIPRPF SVRYDPYTQR VEVLDNTQQL KILADSINSE VGILCNALQK IKS
Specificity:	Rattus norvegicus (Rat)
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

Purity: > 90 %

Target Details

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: [P04176](#)

Application Details

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

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

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