

Datasheet for ABIN7479343

Phenylalanine Hydroxylase Protein (AA 1-297) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Phenylalanine Hydroxylase
Protein Characteristics:	AA 1-297
Origin:	Chromobacterium violaceum
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Phenylalanine Hydroxylase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MNDRADFVVP DITTRKNVGL SHDANDFTLP QPLDRYSAED HATWATLYQR QCKLLPGRAC DEFMEGLERL EVDADRVPDF NKLNQKLMAA TGWKIVAVPG LIPDDVFFEHLANRRFPVTW WLREPHQLDY LQEPDVFHDL FGHVPLLINP VFADYLEAYG KGGVKAKALG ALPMLARLYW YTVEFGLINT PAGMRIYGAG ILSSKSESIY CLDSASPNRV GFDLMRIMNT RYRIDTFQKT YFVIDSFQKL FDATA PDFAP LYLQLADAQP WGAGDVAPDD LVLNAGDRQG WADTEDV
Specificity:	Chromobacterium violaceum (strain ATCC 12472 / DSM 30191 / JCM 1249 / NBRC 12614 / NCIMB 9131 / NCTC 9757)
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.
Purity:	> 90 %

Target Details

Target:	Phenylalanine Hydroxylase
Alternative Name:	Phenylalanine-4-hydroxylase (phhA) (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:	P30967

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