Datasheet for ABIN7584736

HPD Protein (AA 1-445) (His tag)

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Overview

Quantity:	100 µg
Target:	HPD
Protein Characteristics:	AA 1-445
Origin:	Arabidopsis thaliana
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPD protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MGHQNAAVSE NQNHDDGAAS SPGFKLVGFS KFVRKNPKSD KFKVKRFHHI EFWCGDATNV ARRFSWGLGM RFSAKSDLST GNMVHASYLL TSGDLRFLFT APYSPSLSAG EIKPTTTASI PSFDHGSCRS FFSSHGLGVR AVAIEVEDAE SAFSISVANG AIPSSPPIVL NEAVTIAEVK LYGDVVLRYV SYKAEDTEKS EFLPGFERVE DASSFPLDYG IRRLDHAVGN VPELGPALTY VAGFTGFHQF AEFTADDVGT AESGLNSAVL ASNDEMVLLP INEPVHGTKR KSQIQTYLEH NEGAGLQHLA LMSEDIFRTL REMRKRSSIG GFDFMPSPPP TYYQNLKKRV GDVLSDDQIK ECEELGILVD RDDQGTLLQI FTKPLGDRPT IFIEIIQRVG CMMKDEEGKA YQSGGCGGFG KGNFSELFKS IEEYEKTLEA KQLVG
Specificity:	Arabidopsis thaliana (Mouse-ear cress)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	HPD
Abstract:	HPD Products
Background:	Recommended name: 4-hydroxyphenylpyruvate dioxygenase. EC= 1.13.11.27. Alternative name(s): 4-hydroxyphenylpyruvic acid oxidase. Short name= 4HPPD. Short name= HPD. Short name= HPPDase
UniProt:	P93836

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 modificated 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.