

Datasheet for ABIN7589852
PEPD Protein (AA 2-492) (His tag)



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Overview

Quantity:	100 µg
Target:	PEPD
Protein Characteristics:	AA 2-492
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PEPD protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	ASTVRPSFS LGNETLKVPL ALFALNRQRL CERLRKNGAV QAGSAVVLQG GEEMQRYCTD TSIIFRQESF FHWAFGVIES GCGVIDVDVT GKSTLFVPRL PASYATWMGK IHSKEHFKEK YAVDDVQYAD EIASVLTSRN PSVLLTLRGV NTDSGNVCRE ASFEGISKFT VNNTILHPEI VECRVFKTDM ELEVLRYTNR ISSEAHREVM KAVKVGMMKEY EMESLFQHYC YSKGGMRHTS YTCICCSGEN AAVLHYGHAG APNDRTIKDG DICLFDMGGE YYCFASDITC SFPANGKFTD DQKAIYEAVL RSCRTVMSTM KPGVWWPDMH RLADRIHLEE LTRIGLLSGS VDAMLQVHLG AVFMPHGLGH FLGLDVHDTV GYPEGVERID EPGLRSLRTA RHLEPGMVLTV VEPGIYFIDH LLDQALADPA QACFFNQEV LQRFRNFGGVR IEEDVVVTDS GMELLTCVPR TVEEIEACMA GCDKALAPSG PK
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: PEPD

Alternative Name: Xaa-Pro dipeptidase (Pepd) ([PEPD Products](#))

Background: Recommended name: Xaa-Pro dipeptidase.
Short name= X-Pro dipeptidase.
EC= 3.4.13.9.
Alternative name(s): Imidodipeptidase Peptidase D Proline dipeptidase.
Short name= Prolidase

UniProt: [Q5I0D7](#)

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

Handling

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