

Datasheet for ABIN7588653

PRODH2 Protein (AA 1-456) (His tag)



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Overview

Quantity:	100 µg
Target:	PRODH2
Protein Characteristics:	AA 1-456
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRODH2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MIWTRLPLYG HSKPSTGGWQ PLRFDGGAFH LKRTAELARA LLVLRLCAWP PLVTHGLAFQ</p> <p>AWSQRLLGSR LSGALLRASI YGQFVAGETA EEVRGCVQQL QAIGLQPLLA VPTEEEPDSA</p> <p>AKTSEAWYEG NLSAMLHCVD LSRVADAHG PARNSLMQLK VTALTSPRLC KELSAWIQRP</p> <p>RGSSSELRPER LAEAMESGRN LQLSCLSTEQ NQHLQASLSR LHRVAQHARA QDVRLLVDAE</p> <p>YTFINPALSL LVAALAMRLD SSEEFGPWVW NTYQAYLKDT HERLERDAKA AHEAGLAFGV</p> <p>KLVRGAYLDK ERSVTQLHGK EDCTQPDYEA TSRSYSRCLE LMLRRVSNHG PRCHLMVASH</p> <p>NEESIRQATR RMWELGIPLD GPVCFGQLLG MCDHVSLALG QAGYMVYKSI PYGCLEEVIP</p> <p>YLIRRAQENR SVLQGARREQ ALLSQELWRR LLGRTA</p>
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: PRODH2

Alternative Name: Probable proline dehydrogenase 2 (Prodh2) ([PRODH2 Products](#))

Background: Recommended name: Probable proline dehydrogenase 2.
EC= 1.5.99.8.
Alternative name(s): Probable proline oxidase 2 Proline oxidase-like protein

UniProt: [Q2V057](#)

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 modified 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.