

Datasheet for ABIN7584272

Prothrombin Protein (AA 44-617) (His tag)



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Overview

Quantity:	100 µg
Target:	Prothrombin (F2)
Protein Characteristics:	AA 44-617
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Prothrombin protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>ANSGFLE ELRKGNLERE</p> <p>CVVEEQSYEE AFEALESPQD TDVFWAKYTV CDSVRKPRET FMDCLEGRCA MDLGLNYHGN</p> <p>VSVTHTGIEC QLWRSRYPHR PDINSTTHPG ADLKENFCRN PDSSTSGPWC YTTDPTVRRE</p> <p>ECSIPVCGQE GRITVKMTPR SRGSKENLSP PLGECCLERG RLYQGNLAVT TLGSPCLAWD</p> <p>SLPTKTLISKY QNFDPEVKLV QNFCRNPDRD EEGAWCFVAQ QPGFEYCSLN YCDEAVGEEN</p> <p>HDGDESIAGR TTDAEFHTFF DERTFGLGEA DCGLRPLFEK KSLTDKTEKE LLDSYIDGRI</p> <p>VEGWDAEKGI APWQVMLFRK SPQELLCGAS LISDRWVLT AHCILYPPWD KNFTENDLLV</p> <p>RIGKHSRTRY ERNVEKISML EKIYIHPRYN WRENLDRIA LLKLKPVFP SDYIHPVCLP</p> <p>DKQTVTSLLQ AGYKGRVTGW GNLRETWTN INEIQPSVLQ VVNLPIVERP VCKASTIRI</p> <p>TDNMFCAGFK VNDTKRGDAC EGDGGPFVM KSPYNHRWYQ MGIVSWGEGC DRNGKYGFYT</p> <p>HVFRLLKRWML KVIDQHR</p>
Specificity:	Rattus norvegicus (Rat)

Product Details

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.
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Purity:	> 90 %
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Target Details

Target:	Prothrombin (F2)
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Alternative Name:	Prothrombin (F2) (F2 Products)
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Background:	<p>Recommended name: Prothrombin.</p> <p>EC= 3.4.21.5.</p> <p>Alternative name(s): Coagulation factor II Cleaved into the following 4 chains: 1.</p> <p>Activation peptide fragment 1 2.</p> <p>Activation peptide fragment 2 3.</p> <p>Thrombin light chain 4.</p> <p>Thrombin heavy chain</p>
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UniProt:	P18292
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Pathways:	Complement System , Peptide Hormone Metabolism , Regulation of G-Protein Coupled Receptor Protein Signaling
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Application Details

Comment:	<p>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.</p>
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Restrictions:	For Research Use only
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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.