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Datasheet for ABIN1477510 PDX1 Protein (AA 1-271) (His tag)

Overview

Quantity:	1 mg
Target:	PDX1
Protein Characteristics:	AA 1-271
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDX1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MNADDQYYYPQ APIYKEPCAF QRSQGQDYNP SPPACLYMGR QQQAAYSNPL VALDPGSPPD ISPYEVPPIS EEPIVPHLHH HHYHHHHHHHP GIPHPHHQMP FPDDNESGTL EERNRTLLPF PWMKSTKSHT WKGQWTDGSY IMEQEENKRT RTAYTRAQLL ELEKEFLFNK YISRPRRVEL AVMLNLTERH IKIWFQNRRM KWKKEEDKKR GRGSDPEQDS VVSSADVLKD EPQCLGNSQK TGDVLSSPL PTSSQPNQVP SIGSLRQAEK R
Specificity:	Xenopus laevis (African clawed frog)
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:	PDX1
Alternative Name:	Pancreas/duodenum homeobox protein 1 (pdx1) (PDX1 Products)
Background:	Recommended name: Pancreas/duodenum homeobox protein 1. Short name= PDX-1. Alternative name(s): Homeobox protein 8. Short name= XIHbox-8
UniProt:	P14837
Pathways:	Nuclear Receptor Transcription Pathway , Positive Regulation of Peptide Hormone Secretion , Steroid Hormone Mediated Signaling Pathway , Hormone Transport , Carbohydrate Homeostasis , Chromatin Binding , Maintenance of Protein Location

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

Handling

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