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## Datasheet for ABIN1654660 PDX1 Protein (AA 1-283) (His tag)

### Overview

Quantity:	1 mg
Target:	PDX1
Protein Characteristics:	AA 1-283
Origin:	Chimpanzee
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDX1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MNGEEQYYAA TQLYKDSCAF QRGPAPEFSA GPPACLYMGR QPPPPPPHPF PGALGALEQG SPPDISPYEV PPLADDPABA HLHHHLPAQL ALPHPPAGPF PEGAEPGVLE EPNRVQLPFP WMKSTKAHAW KGQWAGGAYA AEPEENKRTR TAYTRAQLLE LEKEFLFNKY ISRPRRVELA VMLNLTERHI KIWFQNRRMK WKKEEDKKRG GGTAVGGGGV AEPEQDCAVT SGEELLALPP PPPPGGAVPP AAPVAAREGR LPPGLSASPQ PSSVAPRRPQ EPR
Specificity:	Pan troglodytes (Chimpanzee)
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) ( <a href="#">PDX1 Products</a> )
Background:	Recommended name: Pancreas/duodenum homeobox protein 1. Alternative name(s): Homeodomain protein PDX1 Insulin promoter factor 1. Short name= IPF-1
UniProt:	<a href="#">A2T756</a>
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Hormone Transport</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Chromatin Binding</a> , <a href="#">Maintenance of Protein Location</a>

## 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.