Datasheet for ABIN1658768

PITX2 Protein (AA 1-314) (His tag)

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Overview

Quantity:	1 mg
Target:	PITX2
Protein Characteristics:	AA 1-314
Origin:	Zebrafish (Danio rerio)
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PITX2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MTSMKDPLSL DHHHHNHHVT GSKHAPLSMA SSLQPLQRSV DSKHRLDVHT VSDTSSPESV EKEKGQSKNE DSNDDPSKKK RQRRQRTHFT SQQLQELEAT FQRNRYPDMS TREEIAVWTN LTEARVRVWF KNRRAKWRKR ERNQQAELCK NGFGPQFNGL MQPYDDMYPS YTYNNWAAKG LTSASLSTKS FPFFNSMNVN PLSSQTMFSP PNSISSMSMS SSMVPSAVTG VPGSSLNSLN NLNNLSNPSL NSGVPTPACP YAPPTPPYVY RDTCNSSLAS LRLKAKQHSS FGYASVQNPA SNLSACQYAV DRPV
Specificity:	Danio rerio (Zebrafish) (Brachydanio rerio)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	PITX2
Alternative Name:	Pituitary homeobox 2 (pitx2) (PITX2 Products)
Background:	Recommended name: Pituitary homeobox 2. Alternative name(s): Homeobox protein PITX2 Paired-like homeodomain transcription factor 2
UniProt:	Q9W5Z2
Pathways:	Retinoic Acid Receptor Signaling Pathway, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

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 modificated 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.