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## Datasheet for ABIN1653898 PITX2 Protein (AA 1-326) (His tag)



Overview	
Quantity:	1 mg
Target:	PITX2
Protein Characteristics:	AA 1-326
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PITX2 protein is labelled with His tag.
Application:	ELISA
Product Details	
Sequence:	MNSMKEPLHL DHLAGSRVAA ASSHHHHHHH HQHQTVTLVS MASSLGQRSG ECKSRLEVHT
	ISDTSSPDTA DKDKSHQTKN EDSSTDDPSK KKRQRRQRTH FTSQQLQELE ATFQRNRYPD
	ISDTSSPDTA DKDKSHQTKN EDSSTDDPSK KKRQRRQRTH FTSQQLQELE ATFQRNRYPD MSTREEIAVW TNLTEARVRV WFKNRRAKWR KRERNQQAEL CKNGFGPQFN GLMQPYDDMY
	ISDTSSPDTA DKDKSHQTKN EDSSTDDPSK KKRQRRQRTH FTSQQLQELE ATFQRNRYPD MSTREEIAVW TNLTEARVRV WFKNRRAKWR KRERNQQAEL CKNGFGPQFN GLMQPYDDMY PSYSYNNWAA KGLTSASLST KSFPFFNSMN VNPLSSQSMF SSPNSISSMS MSSGMVPSAV
	ISDTSSPDTA DKDKSHQTKN EDSSTDDPSK KKRQRRQRTH FTSQQLQELE ATFQRNRYPD MSTREEIAVW TNLTEARVRV WFKNRRAKWR KRERNQQAEL CKNGFGPQFN GLMQPYDDMY PSYSYNNWAA KGLTSASLST KSFPFFNSMN VNPLSSQSMF SSPNSISSMS MSSGMVPSAV TGVPGSGLNS LNNLNNLSNP SLNTAVPTSA CPYAPPTPPY VYRDTCNSSL ASLRLKAKQH
	ISDTSSPDTA DKDKSHQTKN EDSSTDDPSK KKRQRRQRTH FTSQQLQELE ATFQRNRYPD MSTREEIAVW TNLTEARVRV WFKNRRAKWR KRERNQQAEL CKNGFGPQFN GLMQPYDDMY PSYSYNNWAA KGLTSASLST KSFPFFNSMN VNPLSSQSMF SSPNSISSMS MSSGMVPSAV TGVPGSGLNS LNNLNNLSNP SLNTAVPTSA CPYAPPTPPY VYRDTCNSSL ASLRLKAKQH SSFGYATVQT PGSNLSACQY AVDRPV
Specificity:	ISDTSSPDTA DKDKSHQTKN EDSSTDDPSK KKRQRRQRTH FTSQQLQELE ATFQRNRYPD MSTREEIAVW TNLTEARVRV WFKNRRAKWR KRERNQQAEL CKNGFGPQFN GLMQPYDDMY PSYSYNNWAA KGLTSASLST KSFPFFNSMN VNPLSSQSMF SSPNSISSMS MSSGMVPSAV TGVPGSGLNS LNNLNNLSNP SLNTAVPTSA CPYAPPTPPY VYRDTCNSSL ASLRLKAKQH SSFGYATVQT PGSNLSACQY AVDRPV Xenopus laevis (African clawed frog)
Specificity: Characteristics:	ISDTSSPDTA DKDKSHQTKN EDSSTDDPSK KKRQRRQRTH FTSQQLQELE ATFQRNRYPD MSTREEIAVW TNLTEARVRV WFKNRRAKWR KRERNQQAEL CKNGFGPQFN GLMQPYDDMY PSYSYNNWAA KGLTSASLST KSFPFFNSMN VNPLSSQSMF SSPNSISSMS MSSGMVPSAV TGVPGSGLNS LNNLNNLSNP SLNTAVPTSA CPYAPPTPPY VYRDTCNSSL ASLRLKAKQH SSFGYATVQT PGSNLSACQY AVDRPV Xenopus laevis (African clawed frog) Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien
Specificity: Characteristics:	ISDTSSPDTA DKDKSHQTKN EDSSTDDPSK KKRQRRQRTH FTSQQLQELE ATFQRNRYPD MSTREEIAVW TNLTEARVRV WFKNRRAKWR KRERNQQAEL CKNGFGPQFN GLMQPYDDMY PSYSYNNWAA KGLTSASLST KSFPFFNSMN VNPLSSQSMF SSPNSISSMS MSSGMVPSAV TGVPGSGLNS LNNLNNLSNP SLNTAVPTSA CPYAPPTPPY VYRDTCNSSL ASLRLKAKQH SSFGYATVQT PGSNLSACQY AVDRPV Xenopus laevis (African clawed frog) 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.

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## 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 xPtx2
UniProt:	Q9PWR3
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.

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