Datasheet for ABIN7585612

OCT4 Protein (AA 1-360) (His tag)

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Overview

Quantity:	100 µg
Target:	OCT4 (POU5F1)
Protein Characteristics:	AA 1-360
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This OCT4 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MAGHLASDFA FSPPPGGGGD GPGGPEPGWV DPRTWMSFQG PPGGSGIGPG VVPGAEVWGL PPCPPPYDLC GGMAYCAPQV GVGPVPPGGL ETPQPEGEAG AGVESNSEGA SPDPCAAPAG APKLDKEKLE PNPEESQDIK ALQKDLEQFA KLLKQKRITL GYTQADVGLT LGVLFGKVFS QTTICRFEAL QLSFKNMCKL RPLLQKWVEE ADNNENLQEI CKAETLVQAR KRKRTSIENR VRGNLESMFL QCPKPTLQQI SHIAQQLGLE KDVVRVWFCN RRQKGKRSSS DYSQREDFEA AGSPFTGGPV SSPLAPGPHF GTPGYGGPHF TTLYSSVPFP EGEVFPSVSV TALGSPMHAN
Specificity:	Bos taurus (Bovine)
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:	OCT4 (POU5F1)
Alternative Name:	POU domain, class 5, transcription factor 1 (POU5F1) (POU5F1 Products)
Background:	Recommended name: POU domain, class 5, transcription factor 1. Alternative name(s): Octamer-binding protein 3. Short name= Oct-3 Octamer-binding transcription factor 3. Short name= OTF-3
UniProt:	O97552
Pathways:	Stem Cell Maintenance

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.