Datasheet for ABIN7585291

NKX2-1 Protein (AA 1-372) (His tag)

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Overview

Quantity:	100 µg
Target:	NKX2-1
Protein Characteristics:	AA 1-372
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This NKX2-1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MSMSPKHTTP FSVSDILSPL EESYKKVGME GGGLGAPLAA YRQGQAAPPA AAMQQHAVGH HGAVTAAYHM TAAGVPQLSH SAVGGYCNGN LGNMSELPPY QDTMRNSASG PGWYGANPDP RFPAISRFMG PASGMNMSGM GGLGSLGDVS KNMAPLPSAP RRKRRVLFSQ AQVYELERRF KQQKYLSAPE REHLASMIHL TPTQVKIWFQ NHRYKMKRQA KDKAAQQQLQ QDSGGGGGGG GGAGCPQQQQ AQQQSPRRVA VPVLVKDGKP CQAGAPAPGA ASLQGHAQQQ AQQQAQAAQA AAAAISVGSG GAGLGAHPGH QPGSAGQSPD LAHHAASPAA LQGQVSSLSH LNSSGSDYGA MSCSTLLYGR TW
Specificity:	Rattus norvegicus (Rat)
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:	NKX2-1
Alternative Name:	Homeobox protein Nkx-2.1 (Nkx2-1) (NKX2-1 Products)
Background:	Recommended name: Homeobox protein Nkx-2.1. Alternative name(s): Thyroid nuclear factor 1 Thyroid transcription factor 1. Short name= TTF-1
UniProt:	P23441
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Systemic Arterial Blood Pressure by Hormones, Cellular Glucan Metabolic Process, Feeding Behaviour

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.