

Datasheet for ABIN7585292

NK2 Homeobox 5 Protein (NKX2-5) (AA 1-318) (His tag)



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Overview

Quantity:	100 µg
Target:	NK2 Homeobox 5 (NKX2-5)
Protein Characteristics:	AA 1-318
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This NK2 Homeobox 5 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MFPSPALTHT PFSVKDILNL EQQQRS LAAG DLSARLEATL APASCMLAAF KPDGYS GPEA AAPGLAELRA ELGPAPSPPK CSPAFPTAPT FYPRAYGDPD PAKDPRADKK ELCALQKAVE LDKAETDGAE RRRPRRRRRKP RVLFSQAQVY ELERRFKQQR YLSPAERDQL ASVLKLTSTQ VKIWFQNRRY KCKRQRQDQT LELLGPPPPP ARRIAVPVLV RDGKPCLGDS AAYAPAYGLG LNAYGYNAYP YPGYGGAACS PAYSCAAYPA APPAAHAPAA SANSNFVNFG VGD LNTVQSP GMPQGN SGVS TLHGIRAW
Specificity:	Rattus norvegicus (Rat)
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:	NK2 Homeobox 5 (NKX2-5)
Alternative Name:	Homeobox protein Nkx-2.5 (Nkx2-5) (NKX2-5 Products)
Background:	Recommended name: Homeobox protein Nkx-2.5. Short name= rNKx-2.5. Alternative name(s): Homeobox protein NK-2 homolog E
UniProt:	O35767
Pathways:	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 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.