

Datasheet for ABIN1477572

NK2 Homeobox 5 Protein (NKX2-5) (AA 1-299) (His tag)



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Overview

Quantity:	1 mg
Target:	NK2 Homeobox 5 (NKX2-5)
Protein Characteristics:	AA 1-299
Origin:	Xenopus laevis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This NK2 Homeobox 5 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MFASPVSTP FSVKDILNLE QHQSGLSMPD ITSRLNSSC MLSTFKQESY PGTPCLSELT EEMSQRDTAK GPSSFPGSFF VKNYLEMDSK DPKDHKKDIC PLQKTLEHDK REAEDPERPR QRKRRKPRVL FSQAQVYELE RRFKQQKYLS APERDHLANV LKLTSTQVKI WFQNRRYKCK RQRQDQTLEM VGLPPPRRIA VPVLVRDGKP CLGESSPYNS PYNVSINPYS YNTYPAYSNY SNPACSGSYN CSYSSMPSMQ PTSAGNNFMN FSVGDLNTVQ TPIQQASSVS ALHHGIRAW
Specificity:	Xenopus laevis (African clawed frog)
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 (nkx-2.5) (NKX2-5 Products)
Background:	Recommended name: Homeobox protein Nkx-2.5. Short name= xNKx-2.5. Alternative name(s): Homeobox protein NK-2 homolog E
UniProt:	P42583
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.