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Datasheet for ABIN1634389  
**ICA1 Protein (AA 1-480) (His tag)**

Overview

Quantity:	1 mg
Target:	ICA1
Protein Characteristics:	AA 1-480
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ICA1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MSGHKCYSWE LQDRFAQDKS VVNKMQQKYW ETKQAFIKAT GKKEDEHVVA SDADLDAKLE LFHSIQR TCL DLSKAIVLYQ KRICFLSQEE NELGKFLRSQ GFQDKTRAGK MMQATGKALC FSSQRLALR NPLCRFHQEV ETRHRAISD TWLTVNRMEQ CRTEYRGALL WMKDVSQELD PDLYQMEKF RKVQTQVRLA KKNFDKLMKMD VCQKVDLLGA SRCNLLSHML ATYQTLLHF WEKTSH TMAA IHESFKGYQP YEFTTLKSLQ DPMKKLVEKE KKKSSRREN R EAVAQEPRQL ISLEENQHK ESSTCQKEEG KSVPSVDKS SADDACSGPI DELLDVKPEE ACLGPMAGTP EPESGDKDDL LLLNEIFSTS SLDEGEFSRE WAAVFGDDRL KEPAPMGAQG EPDPKPQIGS AFLPSQLLDQ NMKDLQASLQ EPAKAASDLT AWFSLFADLD PLSNPDAIGK TDKEHELLNA
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.

## Product Details

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Purity: > 90 %

## Target Details

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Target: ICA1

Alternative Name: Islet cell autoantigen 1 (Ica1) ([ICA1 Products](#))

Background: Recommended name: Islet cell autoantigen 1.  
Alternative name(s): 69 kDa islet cell autoantigen.  
Short name= ICA69 Islet cell autoantigen p69.  
Short name= ICAp69.  
Short name= p69

UniProt: [Q63054](#)

## Application Details

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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

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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

## Handling

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.