

Datasheet for ABIN7590315
ICA1 Protein (AA 1-480) (His tag)



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Overview

Quantity:	100 µg
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:	<p>MSGHKCYSWE LQDRFAQDKS VVNKMQQKYW ETKQAFIKAT GKKEDEHVVA SDADLDAKLE</p> <p>LFHSIQRTCL DLSKAIVLYQ KRICFLSQEE NELGKFLRSQ GFQDKTRAGK MMQATGKALC</p> <p>FSSQQRLLALR NPLCRFHQEV ETFRHRAISD TWLTVNRMEQ CRTEYRGALL WMKDVSQELD</p> <p>PDLYKQMEKF RKVQTQVRLA KKNFDKCLKMD VCQKVDLLGA SRCNLLSHML ATYQTTLHLF</p> <p>WEKTSHTMAA IHESFKGYQP YEFTTLKSLQ DPMKKLVEKE KKKSSRRENH EAVAQEPQRL</p> <p>ISLEENQHK ESSTCQKEEG KSPVSSVDKS SADDACSGPI DELLVKPEE ACLGPMAGTP</p> <p>EPESGDKDDL LLLNEIFSTS SLDEGEFSRE WAAVFGDDRL KEPAPMGAQG EPDPKPQIGS</p> <p>AFLPSQLLDQ NMKDLQASLQ EPAKAASDLT AWFSLFADLD PLSNPDAIGK TDKEHELLNA</p>
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

Purity: > 90 %

Target Details

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

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 modiflicated 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

Handling

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