



# Recombinant Rat Islet cell autoantigen 1 (Ica1)

<b>Product Code</b>	CSB-EP714102RA
<b>Abbreviation</b>	Ica1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q63054
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSGHKCYSWE LQDRFAQDKS VVNKMQQKYW ETQAFIKAT GKKEDEHVVA SDADLDAKLE LFHSIQRTCL DLSKAIVLYQ KRICFLSQEE NELGKFLRSQ GFQDKTRAGK MMQATGKALC FSSQQRLALR NPLCRFHQEV ETFRHRAISD TWLTVNRMEQ CRTEYRGALL WMKDVSQELD PDLYKQMEKF RKVQTQVRLA KKNFDKLMKD VCQKVDLLGA SRCNLLSHML ATYQTTLLHF WEKTSHTMAA IHESFKGYQP YEFTTLKSLQ DPMKKLVEKE KKKSSRREN EAVAQEPRQL ISLEENQHK ESSTCQKEEG KSVPSVVDKS SADDACSGPI DELLDVKPEE ACLGPMAGTP EPESGDKDDL LLLNEIFSTS SLDEGEFSRE WAAVFGDDRL KEPAPMGAQG EPDPKPQIGS AFLPSQLLDQ NMKDLQASLQ EPAKAASDLT AWFSLFADLD PLSNPDAIGK TDKEHELLNA
<b>Source</b>	E.coli
<b>Target Names</b>	Ica1
<b>Protein Names</b>	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
<b>Expression Region</b>	1-480
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a protein with an arfaptin homology domain that is found both in the cytosol and as membrane-bound form on the Golgi complex and immature secretory granules. This protein is believed to be an autoantigen in insulin-dependent diabetes mellitus and primary Sjogren s syndrome. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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