



Recombinant Mouse Islet cell autoantigen 1 (Ica1)

Product Code	CSB-EP010947MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P97411
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MSGHKCYSWE LQDRFAQDKS VVNKMQQKYW ETKQAFIKAT GKKEDEHVVA SDADLDAKLE LFHSIQRTCL DLSKAIVLYQ KRICFLSQEE NELGKFLRSQ GFQDKTRAGK MMQATGKALC FSSQQLRALR NPLCRFHQEV ETFRHRAISD TWLTVNRMEQ YRTEYRGALL WMKDVSQELD PDLYKQMEKF RKVQTQVRLA KKNFDKLMKD VCQKVDLLGA SRCNLLSHML ATYQTLLHF WEKTSHTMAA IHESFKGYQP YEFTTLKSLQ DPMKKLVEKE GKKTSWREN EAVAPEPRQL ISLEDEHKDS SAYKTEEGTS VLSSVDKGSV HDTCSGPIDE LLDGKPEEAC LGPTAGTPEP ESGDKDLLLL LNEIFSTSCLE DEGEFSREWA AVFGDDQLKE PPMGAQGEP DPKPQIGSGF LPSQLLDQNM KDLQASLQEP AKAASDLTAW FSLFADLDPL SNPDAVGKTD KEHELLNA
Source	E.coli
Target Names	Ica1
Protein Names	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
Expression Region	1-478
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.
Shelf Life	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.