

Islet Cell Autoantigen 1 (ICA1) Recombinant Protein | ICA1 recombinant protein

Recombinant Islet Cell Autoantigen 1 (ICA1)

CATALOG # AAA134789	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Islet Cell Autoantigen 1 (ICA1); Recombinant Islet Cell Autoantigen 1 (ICA1); ICA1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1 mM EDTA, 1 mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandS-tag ,itssequen ceislisted below. MHHHHHSSG LVPRGSGMKE TAAKFERQH MDSPDLGTDD DDKAMADIGS EF-MSGHKCY SWELQDRFAQ DKSVVNKMQQ KYWETKQAFI KATGKKEDEH VVASDADLDA KLELFHSIQR TCLDLSKAIV LYQKRICFLS QEENELGKFL RSQGFQDKTR AGKMMQATGK ALCFSSQQRL ALRNPLCRFH QEVETFRHRA ISDTWLTVNR MEQYRTEYRG ALLWMKDVSQ ELDPDLYQM EKFRKVQTQV RLAKKNFDKL KMDVCQKVDL LGASRCNLLS HMLATYQTTL LHFWEKTSHT MAAIHESFKG
Sequence Length	457
Applicable Applications for ICA1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Met1~Gly257 (Accession # P97411) with two N-terminal Tags, His-tag and S-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Predicted isoelectric point	8.8
Predicted Molecular Mass	35.9kDa as determined by SDS-PAGE reducing conditions.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	356582438
NCBI GeneID	15893
NCBI Accession #	NP_001239195.1
NCBI GenBank Nucleotide #	NM_001252266.1
UniProt Accession #	P97411; P97362; P97954; Q99M40; Q9R2C4; E9QLS3
Molecular Weight	26&32&37kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	islet cell autoantigen 1 isoform 2
NCBI Official Synonym Full Names	islet cell autoantigen 1
NCBI Official Symbol	Ica1
NCBI Official Synonym Symbols	69kDa; ICA69
NCBI Protein Information	islet cell autoantigen 1; p69; ICAp69; islet cell autoantigen p69; 69 kDa islet cell autoantigen; islet cell autoantigen 1, 69 kDa
UniProt Protein Name	Islet cell autoantigen 1
UniProt Gene Name	Ica1
UniProt Synonym Gene Names	Icap69; ICA69; ICAp69; p69
UniProt Entry Name	ICA69_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.