

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

Recombinant Islet Cell Autoantigen 1 (ICA1)

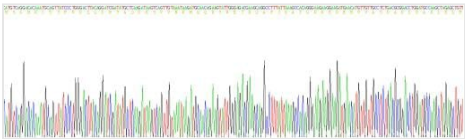
CATALOG # AAA20268	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS SDS-Page, Western Blot
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .
Concentration	Original Concentration: 500ug/mL (varies by lot)
Applicable Applications for ICA1 recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression
Residues	Met1~Gly258
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm, Golgi apparatus
Traits	Freeze-dried powder
Predicted isoelectric point	8.8
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	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. 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 and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Sequence Information

SDS-PAGE

MSGHKCSYPN DLQDRYAQDK SVVNKMQQKY WETKQAFIKA TGKKEDEHVV
ASDADLDAKL ELFHSIQRTC LDLSKAIVLY QKRICFLSQE ENELGKFLRS
QGFQDKTRAG KMMQATGKAL CFSSQQRLAL RNPLCRFHQE VETFRHRAIS
DTWLTVNRM E QCRTEYRGAL LWMKDVSQL DPDLKQMEK FRKVQTQVRL
AKKNFDKLM DVCQKVLLG ASRCNLLSHM LATYQTLLH FWEKTSHTMA
AIHESFKG

Sequence Information

NCBI AND UNIPROT INFORMATION

NCBI GI #	209862841
NCBI GeneID	3382
NCBI Accession #	NP_001129492.1
NCBI GenBank Nucleotide #	NM_001136020.2
UniProt Accession #	Q05084; P78506; Q13824; A8K7U1; B3FTQ2
Molecular Weight	Predicted Molecular Mass: 36.9kDa Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	islet cell autoantigen 1 isoform a
NCBI Official Synonym Full Names	islet cell autoantigen 1, 69kDa
NCBI Official Symbol	ICA1
NCBI Official Synonym Symbols	ICA69; ICAp69
NCBI Protein Information	islet cell autoantigen 1; p69; islet cell autoantigen p69; 69 kDa islet cell autoantigen; islet cell autoantigen 1 isoform; diabetes mellitus type I autoantigen
UniProt Protein Name	Islet cell autoantigen 1
UniProt Gene Name	ICA1
UniProt Synonym Gene Names	ICA69; ICAp69; p69
UniProt Entry Name	ICA69_HUMAN

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.