

Recombinant Human ICA1 293 Cell Lysate

Cat. No. ICA1-5315HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for islet cell autoantigen 1, 69kDa (ICA1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name ICA1 islet cell autoantigen 1, 69kDa [Homo sapiens]

Official Symbol ICA1

Synonyms ICA1; islet cell autoantigen 1, 69kDa; islet cell autoantigen 1 (69kD); islet cell autoantigen 1; ICAP69; p69; islet cell autoantigen p69; 69 kDa islet cell autoantigen; islet cell autoantigen 1 isoform; diabetes mellitus type I autoantigen; ICA69;

Gene ID 3382

mRNA Refseq NM_004968

Protein Refseq NP_004959

MIM 147625

UniProt ID Q05084

Chromosome Location 7p22

Pathway Type I diabetes mellitus, organism-specific biosystem; Type I diabetes mellitus, conserved biosystem;

Function molecular_function; protein domain specific binding;

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