

Recombinant Human ISCA1 293 Cell Lysate

Cat. No. ISCA1-5155HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for iron-sulfur cluster assembly 1 homolog (*S. cerevisiae*) (ISCA1) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

ISCA1 iron-sulfur cluster assembly 1 homolog (S. cerevisiae) [Homo sapiens]

Official Symbol

ISCA1

Synonyms

ISCA1; iron-sulfur cluster assembly 1 homolog (S. cerevisiae); HBLD2, HESB like domain containing 2; iron-sulfur cluster assembly 1 homolog, mitochondrial; hIsca; ISA1; MGC4276; HESB like domain containing 2; iron sulfur assembly protein Isca; iron-sulfur assembly protein Isca; HESB-like domain-containing protein 2; HBLD2; RP11-507D14.2;

Gene ID

81689

mRNA Refseq

NM_030940

Protein Refseq

NP_112202

MIM

611006

UniProt ID

Q9BUE6

**Chromosome
Location**

9q22.1

Function

iron-sulfur cluster binding; metal ion binding; structural molecule activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA