

Recombinant Human ISCU 293 Cell Lysate

Cat. No. ISCU-5153HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for iron-sulfur cluster scaffold homolog (E. coli) (ISCU), nuclear gene encoding mitochondrial protein, 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.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

 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

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	ISCU iron-sulfur cluster scaffold homolog (E. coli) [Homo sapiens]
Official Symbol	ISCU
Synonyms	ISCU; iron-sulfur cluster scaffold homolog (E. coli); IscU iron sulfur cluster scaffold homolog (E. coli) , NifU like N terminal domain containing , NIFUN; iron-sulfur cluster assembly enzyme ISCU, mitochondrial; hnifU; IscU; ISU2; nifU-like protein; NifU-like N-terminal domain containing; IscU iron-sulfur cluster scaffold homolog; nifU-like N-terminal domain-containing protein; HML; NIFU; NIFUN; 2310020H20Rik; MGC74517;
Gene ID	23479
mRNA Refseq	NM_014301
Protein Refseq	NP_055116
MIM	611911
UniProt ID	Q9H1K1
Chromosome Location	12q24.1
Function	iron ion binding; iron-sulfur cluster binding; metal ion binding; protein binding; protein complex scaffold;

 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