

Recombinant Human NFU1 293 Cell Lysate

Cat. No. NFU1-3843HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for NFU1 iron-sulfur cluster scaffold homolog (<i>S. cerevisiae</i>) (NFU1), nuclear gene encoding mitochondrial protein, transcript variant 1 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

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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 [NFU1 NFU1 iron-sulfur cluster scaffold homolog \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol [NFU1](#)

Synonyms [NFU1](#); [NFU1 iron-sulfur cluster scaffold homolog \(S. cerevisiae\)](#); [HIRA interacting protein 5](#) , [HIRIP5](#); [NFU1 iron-sulfur cluster scaffold homolog, mitochondrial](#); [CGI 33](#); [NifU](#); [NIFUC](#); [HIRA-interacting protein 5](#); [iron-sulfur cluster scaffold protein](#); [NifU-like C-terminal domain containing](#); [Nfu](#); [HIRIP](#); [MMDS1](#); [CGI-33](#); [HIRIP5](#); [MGC142252](#); [MGC142254](#);

Gene ID [27247](#)

mRNA Refseq [NM_001002755](#)

Protein Refseq [NP_001002755](#)

MIM [608100](#)

UniProt ID [Q9UMS0](#)

Chromosome Location [2p15-p13](#)

Function [4 iron, 4 sulfur cluster binding](#); [iron ion binding](#); [protein binding](#);

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