

Recombinant Human NFU1 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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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