

Recombinant Human NFS1 293 Cell Lysate

Cat. No. NFS1-3844HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for NFS1 nitrogen fixation 1 homolog (<i>S. cerevisiae</i>) (NFS1), nuclear gene encoding mitochondrial protein 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

NFS1 NFS1 nitrogen fixation 1 homolog (S. cerevisiae) [Homo sapiens]

Official Symbol

NFS1

Synonyms

NFS1; NFS1 nitrogen fixation 1 homolog (S. cerevisiae); nitrogen fixation 1 (S. cerevisiae, homolog); cysteine desulfurase, mitochondrial; IscS; NifS; nitrogen-fixing bacteria S-like protein; NIFS; HUSSY-08;

Gene ID

9054

mRNA Refseq

NM_001198989

Protein Refseq

NP_001185918

MIM

603485

UniProt ID

Q9Y697

**Chromosome
Location**

20q11.22

Pathway

Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem; Molybdenum cofactor biosynthesis, organism-specific biosystem; Sulfur relay system, organism-specific biosystem; Sulfur relay system,

 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

conserved biosystem; Thiamine metabolism, organism-specific biosystem;

Function

catalytic activity; cysteine desulfurase activity; cysteine desulfurase activity; protein binding; protein homodimerization activity; pyridoxal phosphate binding; transferase 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