

Recombinant Human NCF1 293 Cell Lysate

Cat. No. NCF1-3950HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for neutrophil cytosolic factor 1 (NCF1) 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

NCF1 neutrophil cytosolic factor 1 [Homo sapiens]

Official Symbol

NCF1

Synonyms

NCF1; neutrophil cytosolic factor 1; neutrophil cytosolic factor 1 (47kD, chronic granulomatous disease, autosomal 1); neutrophil cytosol factor 1; chronic granulomatous disease; autosomal 1; NADPH oxidase organizer 2; NCF1A; NOXO2; p47phox; SH3PXD1A; NCF-1; NCF-47K; p47-phox; nox organizer 2; nox-organizing protein 2; 47 kDa neutrophil oxidase factor; neutrophil NADPH oxidase factor 1; SH3 and PX domain-containing protein 1A; 47 kDa autosomal chronic granulomatous disease protein; neutrophil cytosolic factor 1, (chronic granulomatous disease, autosomal 1); FLJ79451;

Gene ID

653361

mRNA Refseq

NM_000265

Protein Refseq

NP_000256

MIM

608512

UniProt ID

P14598

**Chromosome
Location**

7q11.23

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Pathway

Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Leishmaniasis, organism-specific biosystem; Leishmaniasis, conserved biosystem; Leukocyte transendothelial migration, organism-specific biosystem;

Function

GTP binding; GTPase activity; SH3 domain binding; electron carrier activity; phosphatidylinositol binding; protein binding; superoxide-generating NADPH oxidase activity;

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