

# Recombinant Human NCF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** NCF1-2411H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	NCF1 MS Standard C13 and N15-labeled recombinant protein (NP_000256) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	The protein encoded by this gene is a 47 kDa cytosolic subunit of neutrophil NADPH oxidase. This oxidase is a multicomponent enzyme that is activated to produce superoxide anion. Mutations in this gene have been associated with chronic granulomatous disease.
<b>Molecular Mass</b>	44.5 kDa
<b>AA Sequence</b>	<p>MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLEKEM  FPIEAGAINPENRIIPHLPAKWFQDQRAAENRQGTLECYCSTLMSLPTKISRCPHLL  DFFKVRPDDLKLPDNDQTKKPEYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGS  EMALSTGDVVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDEDEDPEPNYAG  EPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLDDGWWVIRKDDVTGYFPSMYLQKSGQ  DVSQAQRQIKRGAPRRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQAR  PGPQSPGSPLEERQTQRSKPQPAVPPRPSADLILNRCSESTKRKLASPVTRTRPL  EQKLISEEDLAANDILDYKDDDDKV</p>
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	NCF1 neutrophil cytosolic factor 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	NCF1
<b>Synonyms</b>	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;
<b>Gene ID</b>	653361
<b>mRNA Refseq</b>	NM_000265
<b>Protein Refseq</b>	NP_000256
<b>MIM</b>	608512

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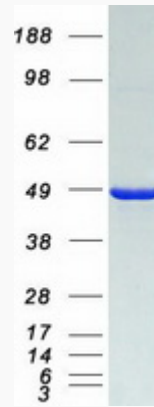
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UniProt ID

P14598

SDS-PAGE



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