

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

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

SPECIFICATION

Product Overview	NCF1 MS Standard C13 and N15-labeled recombinant protein (NP_000256) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	44.5 kDa
AA Sequence	MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLEKEM FPIEAGAINPENRIIPHLPAKWFQDQRAAENRQGTLECYCSTLMSLPTKISRCPHLL DFFKVRPDDLKLPTDNQTKKPETYLMKDGKSTATDITGPILQTYRAIANYEKTSKS EMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETDEPEPNYAG EPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLDDGWWVIRKDDVTGYFPSMYLQKSGQ DVSQAQRQIKRGAPPRRSSIRNAHSIHQSRKRLSQDAYRRNSVRFLQQRRRQAR PGPQSPGSPLEERQTQRSKPQPAVPPRPSADLILNRCSESTKRKLASPVTRTRPL EQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	NCF1 neutrophil cytosolic factor 1 [Homo sapiens (human)]
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

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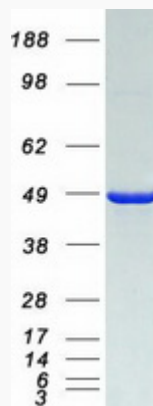
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UniProt ID

P14598

SDS-PAGE

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