

Active Recombinant Full Length Human NCF1 Protein, C-Flag-tagged

Cat. No. NCF1-576HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NCF1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Enzyme substrate
Molecular Mass	44.5 kDa
AA Sequence	MGDTFIRHIALLGFEKRFVPSQHYYVMFLVKWQDLSEKVVYRRFTEIYEFHKTLEKMFPIEAGAINPENR IIPHLPAKWFQDQRAAENRQGTLETCSTLMSLPTKISRCPHLLDFFKVRPDDLKLPDNTQTKKPETYL MPKDGKSTATDITGPILQTYRAIANYEKTSGESMALSTGDDVEVVEKSESGWWFCQMKAKRGWIPASFL EPLDSPDETEDPEPNYAGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLDDGWWVIRKDDVTGYFPSMYL QKSGQDVSQAQRQIKRGAPPRRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQ

 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

	ARPGPQSPGSPL EEERQTQRSKPQPAVPPRPSADLILNRCSESTKRKLASPVTRTRPLEQKLISEEDLA ANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Chemokine signaling pathway, Fc gamma R-mediated phagocytosis, Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton
Full Length	Full L.
GENE INFORMATION	
Gene Name	NCF1 neutrophil cytosolic factor 1 [Homo sapiens (human)]
Official Symbol	NCF1
Synonyms	CGD1; NCF1A; NOXO2; p47phox; SH3PXD1A
Gene ID	653361

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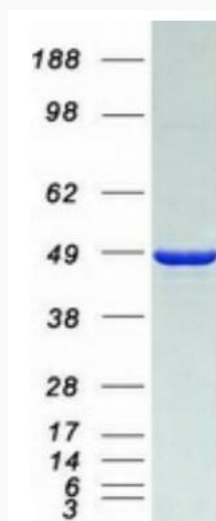
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mRNA Refseq [NM_000265.7](#)

Protein Refseq [NP_000256.4](#)

MIM [608512](#)

UniProt ID [P14598](#)



Coomassie blue staining of purified NCF1 protein.

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