

Recombinant Human NCF2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NCF2-5891H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NCF2 MS Standard C13 and N15-labeled recombinant protein (NP_001121123) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes neutrophil cytosolic factor 2, the 67-kilodalton cytosolic subunit of the multi-protein NADPH oxidase complex found in neutrophils. This oxidase produces a burst of superoxide which is delivered to the lumen of the neutrophil phagosome. Mutations in this gene, as well as in other NADPH oxidase subunits, can result in chronic granulomatous disease, a disease that causes recurrent infections by catalase-positive organisms. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	59.6 kDa
AA Sequence	MSLVEAISLWNEGVLAADKKDWKGALDAFSVQDPHSRICFNIGCMYTILKNMTEAE KAFTRSINRDKHLAVAYFQRGMLYYQTEKYDLAIKDLKEALIQLRGNQLIDYKILGLQF KLFACEVLYNIAFMYAKKEEWKKAEEQLALATSMKSEPRHSKIDKAMECVWKQKLY EPVVIPVGRLFRPNRQVAQLAKKDYLKGATVVASVVDQDSFSGFAPLQPQAAEPP PRPKTPEIFRALEGEAHRVLFGFVPETKEELQVMPGNIVFVLKKGNDNWATVMFNG QKGLVPCNYLEPVELRIHPQQQPQEESPQSDIPAPPSSKAPGRPQLSPGQKQKEE

 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

PKEVKLSVPMPTLKVHYKYTVVMKTQPGLPYSQVRDMVSKKLELRLEQTKLSYRP
RDSNELVPLSEDSMKDAWGQVKNYCLTLWCENTVGDQGFPDEPKESKADANNQ
TTEPQLKKGSQVEALFSYEATQPEDLEFQEGDIILVLSKVNEEWLEGECKGKVGIFPK
VFVEDCATTDLESTRREVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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 NCF2 neutrophil cytosolic factor 2 [Homo sapiens (human)]

Official Symbol NCF2

Synonyms NCF2; neutrophil cytosolic factor 2; neutrophil cytosolic factor 2 (65kD, chronic granulomatous disease, autosomal 2); neutrophil cytosol factor 2; chronic granulomatous disease; autosomal 2; NADPH oxidase activator 2; NOXA2; p67phox; 67 kDa neutrophil oxidase factor; neutrophil NADPH oxidase factor 2; chronic granulomatous disease, autosomal 2; NCF-2; P67PHOX; P67-PHOX; FLJ93058;

Gene ID 4688

mRNA Refseq NM_001127651

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Protein Refseq	NP_001121123
MIM	608515
UniProt ID	P19878

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