

## Datasheet for ABIN7318825 **NCF1 Protein (His tag)**

[Go to Product page](#)

### Overview

Quantity:	50 µg
Target:	NCF1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCF1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Neutrophil Cytosol Factor 1/NCF1 Protein (His Tag)
Sequence:	Met 1-Val390
Characteristics:	Recombinant Human Neutrophil cytosol factor 1 is produced by our E.coli expression system and the target gene encoding Met1-Val390 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	NCF1
Alternative Name:	Neutrophil Cytosol Factor 1/NCF1 ( <a href="#">NCF1 Products</a> )
Background:	Background: Neutrophil cytosol factor 1( NCF1) is a 47 kDa cytosolic subunit of neutrophil NADPH oxidase. This oxidase is characterized as a multicomponent enzyme which is activated to produce superoxide anion. NCF2, NCF1, and a membrane bound cytochrome b558 are

## Target Details

required for the activation of the latent NADPH oxidase. The human NCF1 gene encodes a 390 amino acids protein without a signal peptide. The NCF1 gene interacts with other subunits of nicotinamide adenine dinucleotide phosphate-oxidase (NADPH) and plays an important role in innate immunity, producing reactive oxygen species and reducing the severity and duration of parasitic infection and autoimmune disease. NCF1 also has a role in T cell activation.

Synonym: NCF-1,47 kDa autosomal chronic granulomatous disease protein/47 kDa neutrophil oxidase factor,NCF-47K,Neutrophil NADPH oxidase factor 1,Nox organizer 2,Nox-organizing protein 2/SH3 and PX domain-containing protein 1A,p47-phox

Molecular Weight: 45.6 kDa

UniProt: [P14598](#)

Pathways: [PI3K-Akt Signaling](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris 100 mM NaCl,1 mM DTT, pH 8.0.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.