
Recombinant Human Neutrophil Cytosol Factor 1/ NCF1 Protein**Cat.NO.: TP05257**

3th Edition

Synonyms: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

Description: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 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.

Form:PBS

Molecular Weight:45.6 kDa

Sequences:Met 1-Val390

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.