

## 32-8587: Recombinant Human Neutrophil Cytosol Factor 1/ NCF1(Discontinued)

**Gene :** NCF1  
**Gene ID :** 653361  
**Uniprot ID :** P14598

### Description

Source: E.coli.  
MW :45.6kD.

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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris 100mM NaCl,1mM DTT, pH8.0.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGDFTIRHIALLGFEKRFVPSQHYVYMFVLVWQDLSEKVVYRRFTEIYEFHKTLEMFPIEAGAINPENRIIPHLPA  
PKWFDGQRAAENRQGTLECYCSTLMSLPTKISRCPHLLDFFKVRPDDLKLPDNTQTKKPETYLMPKDGKSTATD  
ITGPILQTYRAIANYEKTSSEMALSTGDDVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNY  
AGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWWVIRKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAP  
PRRSSIRNAHSIHQSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEERQTQRSKPQPAVPPRPSAD  
LILNRCSESTKRKLASAVEHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.