

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 : MGDTFIRHIALLGFEKRFVPSQHYVYMFVLVWQDLSEKVVYRRFTEIYEFHKTLKEMFPIEAGAINPENRIIPHLPA
PKWFDGQRAAENRQGLTEYCSLMSLPTKISRCPHLLDFFKVRPDDLKLPDNTQTKKPEYLMPKDGKSTATD
ITGPILLQTYRAIANYEKTSSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNY
AGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWWVIRKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAP
PRRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEERQTQRSKPQPAVPPRPSAD
LILNRCSESTKRKLASAVEHHHHHH

Application Note

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