

Product datasheet for **TP727320**

NCF1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Neutrophil Cytosol Factor 1/ NCF1
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Val390
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl,150mM NaCl,1mM EDTA,pH 7.5.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	653361
UniProt ID:	P14598
Summary:	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.



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