

Product datasheet for **TP761217**

NCF1 (NM_000265) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human neutrophil cytosolic factor 1 (NCF1), full length, with N-terminal HIS tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length NCF1
Tag:	N-His
Predicted MW:	44.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000256
Locus ID:	653361
UniProt ID:	P14598
RefSeq Size:	1409
Cytogenetics:	7q11.23
RefSeq ORF:	1170
Synonyms:	CGD1; NCF1A; NOXO2; p47phox; SH3PXD1A



[View online »](#)

Summary:

The protein encoded by this gene is a 47 kDa cytosolic subunit of neutrophil NADPH oxidase. This oxidase is a multicomponent enzyme that is activated to produce superoxide anion. Mutations in this gene have been associated with chronic granulomatous disease. [provided by RefSeq, Jul 2008]

Protein Pathways:

Chemokine signaling pathway, Fc gamma R-mediated phagocytosis, Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton

Product images: