

NCF1, 1-390aa, Human, His tag, E.coli

Cat.NO.: TP03105

3th Edition

Synonyms:Neutrophil cytosolic factor 1, NCF1A, NOXO2, p47phox, SH3PXD1A

Description:Neutrophil cytosolic factor 1, also known as NCF1, is a cytosolic subunit of neutrophil NADPH oxidase. NCF1, along with NCF2 and a membrane bound cytochrome b558, is required for activation of the latent NADPH oxidase necessary for superoxide production. Defects in NCF1, often resulting from recombination between NCF1 and a nearby homologous pseudogene, cause chronic granulomatous disease.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl

Molecular Weight:45.7 kDa (398aa) confirmed by MALDI-TOF

Sequences:

MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPIEAGAINPENRIIPHLPAK
WFDGQRAAENRQGTLECYCSTLMSLPTKISRCPHLLDFFKVRPDDLKLPDNTQTKKPETYLMPKDGGKSTATDITGPI
ILQTYRAIANYEKTSSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPY
VAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWWWVIRKDDVTGYFPSMYLQSGQDVSQAQRQIKRGAPRRSSIRN
AHSIHQRSRKRLSQDAYRRNSVRFLQRRRQARPGPQSPGSPLEERQTQRSKPQPAVPPRPSADLILNRCSEST
KRKLASAVVEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

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.