

NCF4, 1-339 aa, Human, His tag, E.coli

Cat.NO.: TP03106

3th Edition

Synonyms:Neutrophil cytosol factor 4, NCF, P40PHOX, SH3PXD4.

Description:NCF4 is a cytosolic regulatory of the superoxide-producing phagocyte NADPH-oxidase, a multicomponent enzyme system important for host defense. This protein is preferentially expressed in cells of myeloid lineage. It interacts primarily with neutrophil cytosolic factor 2 (NCF2/p67-phox) to form a complex with neutrophil cytosolic factor (NCF1/p47-phox), which further interacts with the small G protein RAC1 and translocates to the membrane upon cell stimulation.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Molecular Weight:41.1 kDa (359aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMAVAQQLRAESDFEQLPDDVAISANIADIEEKRGF TSHFVFVIEVKTKGGSKYLIYR
RYRQFHALQSKLEERFGPDSKSSALACTLPTLPAKVYVGVKQEIAEMRIPALNAYMKSLLSLPVWVLMDEDVRIFY
QSPYDSEQVPQALRRLRPTRKVKSVSPQGNSVDRMAAPRAEALFDFTGNSKLELNFKAGDVIFLLSRINKDWLEG
TVRGATGIFPLSFVKILKDFPEEDDPTNWLRCYYYEDTISTIKDIAVEEDLSSTPLLKDLLELTRREFQREDIALNYRDA
EGDLVRLLSDEDVALMVRQARGLPSQKRLFPWKLHITQKDNRYRYNTMP

Purity:> 95% by HPLC

Concentration:1 mg/ml

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.