Recombinant Human Neutrophil cytosol factor 1 /NCF1 Protein

Catalog No.: RP03285

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Sequence Information

Species
Human

Gene ID
653361

Swiss Prot
P14598

Tags
C-His

Synonyms
NCF1; NOXO2; SH3PXD1A; NCF-47K; NCF-1; p47-phox; Nox organizer 2; Neutrophil cytosol factor 1; Neutrophil NADPH oxidase factor 1; 47 kDa neutrophil oxidase factor; 47 kDa autosomal chronic granulomatous disease protein

Product Information

Source
E.coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
45.6 kDa

Observed MW
45-50 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of 20 mM Tris-HCl, 100 mM NaCl, 1 mM DTT, pH 8.0. Contact us for customized product form or formulation.

Reconstitution
Please contact us for reconstitution instructions.

Background

NCF1 is a 47 kDa cytosolic subunit of neutrophil NADPH oxidase. This protein is essential for activation of the NADPH oxidase complex, which is essential for superoxide production. It cooperates with NCF2 to form a core association in the complex, interacting with NCF4, CYBB and CYBA. Mutations in the NCF1 gene have been associated with chronic granulomatous disease.

Basic Information

Description
Recombinant Human Neutrophil cytosol factor 1/NCF1 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Met1-Val390) of human Neutrophil cytosol factor 1/NCF1 (Accession #P14598) fused with His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

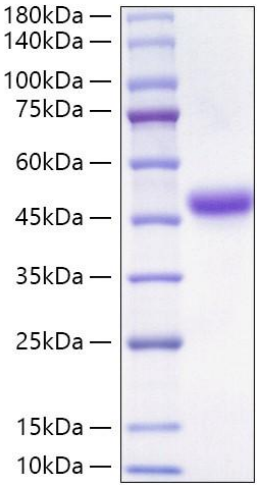
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
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Validation Data



Recombinant Human Neutrophil cytosol factor 1/NCF1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.