
Product Data Sheet

Product Name: NCF1 Human
 Cat. No.: GP24012
 Batch No.: 1

Product Data

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|---------------------|---|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | NCF1A; NOXO2; p47phox; SH3PXD1A . | | |
| Amino Acid Sequence | MGDTFIRHIA LLGF EKRFVP SQHYVYMFLV KWQDLSEKVV YRRFTEIYEF HKTLKEMFPI EAGAINPENR IIPHL PPKW FDGQRAAENR QGTLTEYCST LMSLPTKISR CPHLLDFFKV RPDDLKLPD NQTKKPETYL MPKDGKSTAT DITGPIILQT YRAIANYEKT SGSEMALSTG DVVEVVEKSE SGWWFCQMKA KRGWIPASFL EPLDSPDETE DPEPNYAGEP YVAIKAYTAV EGDEVSLLEG EAVEVIHLL DGWWVIRKDDVTGYFPSMYL QKSGQDVSQA QRQIKRGAPP RRSSIRNAHS IHQRSRKRLS QDAYRRNSVR FLQQRRRQAR PGPQSPGSPL EEERQTQRSK PQPAVPPRPS ADLILNRCSE STKRKLASAV VEHHHHHH. | | |
| Formulation | 0.5mg/ml solution containing 20mM Tris-HCl pH-8, 1mM DTT, 0.1M NaCl & 20% glycerol. | | |

Introduction

NCF1 is a cytosolic subunit protein of neutrophil NADPH oxidase which aMulti-component enzyme that is activates production of superoxide anion. NCF1, along with NCF2 and a membrane bound cytochrome b558, is necessary for activation of the latent NADPH oxidase necessary for superoxide production. Mutations in this NCF1 have been related with chronic granulomatous disease.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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NCF1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 398 amino acids (1-390 a.a.) and having a molecular mass of 45.7 kDa. The NCF1 is fused to an 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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