

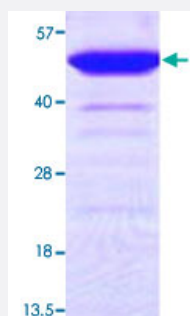
Full-Length

NCF1 (Human) Recombinant Protein

Catalog # P3408

Size 50 ug

Applications



Specification

Product Description

Human NCF1 (AAH02816, 1 a.a. - 390 a.a.) full-length recombinant protein with His tag at C-terminal expressed in *Escherichia coli*.

Sequence

MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVYRRFTEIYEFHKTLEMFPIEAGAINP
ENRIIPHLPAKWFDDGQRAAENRQGLTEYCSTLMSLPTKISRCPHLLDFFKVRPDDLKLPTDNQT
KKPETYLMKDGKSTATDITGPILLQTYRAIANYEKTSGSEMALSTGDVVEVVEKSESGWWFCQMK
AKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWW
VIRKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPPRRSSIRNAHSIHQSRKRLSQDAYRRNSV
RFLQQRRRQARPGPQSPGSPLEERQTQRSKPQPAVPPRPSADLILNRCSESTKRKLASAVVEH
HHHHH

Host

Escherichia coli

Theoretical MW (kDa)

45.7

Form

Liquid

Preparation Method

Escherichia coli expression system

Purification

Conventional Chromatography

Concentration

0.5 mg/mL

Purity

> 90% by SDS-PAGE

Quality Control Testing

Loading 3 ug protein in 15% SDS-PAGE

Storage Buffer

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

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — NCF1

Entrez GeneID

[653361](#)

Protein Accession#

[AAH02816](#)

Gene Name

NCF1

Gene Alias

FLJ79451, NCF1A, NOXO2, SH3PXD1A, p47phox

Gene Description

neutrophil cytosolic factor 1

Omim ID

[233700 608512](#)

Gene Ontology

[Hyperlink](#)

Gene 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]

Other Designations

NADPH oxidase organizer 2

Pathway

- [Chemokine signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Leukocyte transendothelial migration](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cerebral Infarction](#)
- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Granulomatous Disease](#)
- [Lung Diseases](#)
- [Malaria](#)
- [Multiple Sclerosis](#)
- [Mycobacterium Infections](#)
- [Pneumonia](#)
- [Sarcoidosis](#)
- [Stroke](#)
- [Tuberculosis](#)