

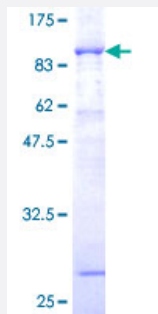
Full-Length

NCF2 (Human) Recombinant Protein (P01)

Catalog # H00004688-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NCF2 full-length ORF (AAH01606.1, 1 a.a. - 526 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSLVEAISLWNEGVLAADKKDWKGALDAFSVQDPHSRICFNIGCMYILKNMTEAEKAFTRSINR
DKHLAVAYFQRGMLYYQTEKYDLAIKDLKEALQLRGNQLIDYKILGLQFKLFACEVLYNIAFMYAKK
EEWKKAEELALATSMKSEPRHSKIDKAMECVWKQKLYEPVVIPVGRLFRPNERQVAQLAKKDY
LGKATVVASVVDQDSFSGFAPLQPQAAEPPPRPKTPEIFRALEGEAHRVLFVGFVPETKEELQVM
PGNIVFVLKKGNDNWATVMFNGQKGLVPCNYLEPVELRIHPQQPQEESPQSDIPAPPSSKAP
GRPQLSPGQKQKEEPKEVKLSVPMPTLVVHYKYTVVMKTQPLPYSQVRDMVSKKLELRLEQT
KLSYRPRDSNELVPLSEDSMKDAWGQVKNYCLTLWCENTVGDQGFDPKESEKADANNQTT
EPQLKKGQSVEALFSYEATQPEDLEFQEGDIILVLSKVNEEWLEGECKGKVGIFPKVFVEDCATT
DLESTRREV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

83.49

Interspecies Antigen Sequence

Mouse (85); Rat (73)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NCF2

Entrez GeneID	4688
GeneBank Accession#	BC001606.1
Protein Accession#	AAH01606.1
Gene Name	NCF2
Gene Alias	FLJ93058, NCF-2, NOXA2, P67-PHOX, P67PHOX
Gene Description	neutrophil cytosolic factor 2
Omim ID	233710 608515
Gene Ontology	Hyperlink
Gene Summary	This gene encodes neutrophil cytosolic factor 2, the 67-kilodalton cytosolic subunit of the multi-protein NADPH oxidase complex found in neutrophils. This oxidase produces a burst of superoxide which is delivered to the lumen of the neutrophil phagosome. Mutations in this gene, as well as in other NADPH oxidase subunits, can result in chronic granulomatous disease, a disease that causes recurrent infections by catalase-positive organisms. Alternative splicing results in two transcript variants that encode the same protein. [provided by RefSeq]

Other Designations

67 kDa neutrophil oxidase factor|NADPH oxidase activator 2|OTTHUMP00000033269|OTTHUMP00000033270|chronic granulomatous disease, autosomal 2|neutrophil cytosol factor 2|neutrophil cytosolic factor 2 (65kD, chronic granulomatous disease, autosomal 2)

Pathway

- [Leukocyte transendothelial migration](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Infant](#)
- [Leukemia](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)

- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mycobacterium Infections](#)
- [Occupational Diseases](#)
- [Pneumonia](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)