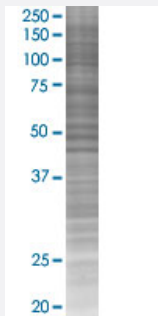


NCF4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00004689-T02

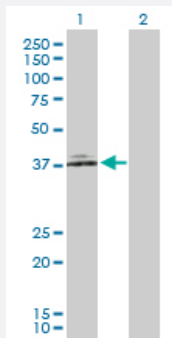
Size 100 uL

Applications



SDS-PAGE Gel

NCF4 transfected lysate.



Western Blot

Lane 1: NCF4 transfected lysate (39.00 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-NCF4 full-length

Host Human

Theoretical MW (kDa) 39

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-NCF4 antibody ([H00004689-D01P](#)) by Western Blots.

SDS-PAGE Gel

NCF4 transfected lysate.

Western Blot

Lane 1: NCF4 transfected lysate (39.00 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — NCF4

Entrez GeneID	4689
GeneBank Accession#	NM_000631
Protein Accession#	NP_000622.2
Gene Name	NCF4
Gene Alias	MGC3810, NCF, P40PHOX, SH3PXD4
Gene Description	neutrophil cytosolic factor 4, 40kDa
Omim ID	601488
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a cytosolic regulatory component 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 1 (NCF1/p47-phox), which further interacts with the small G protein RAC1 and translocates to the membrane upon cell stimulation. This complex then activates flavocytochrome b, the membrane-integrated catalytic core of the enzyme system. The PX domain of this protein can bind phospholipid products of the PI(3) kinase, which suggests its role in PI(3) kinase-mediated signaling events. The phosphorylation of this protein was found to negatively regulate the enzyme activity. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]
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Other Designations	OTTHUMP00000028736 OTTHUMP00000043756 neutrophil NADPH oxidase factor 4 neutrophil cytosol factor 4 neutrophil cytosolic factor 4
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Pathway

- [Leukocyte transendothelial migration](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Ileal Diseases](#)
- [Leukemia](#)
- [Lung Diseases](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mycobacterium Infections](#)
- [Occupational Diseases](#)
- [Pneumonia](#)
- [Sarcoidosis](#)

- [Tuberculosis](#)