



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## NCF4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00004689-T01

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

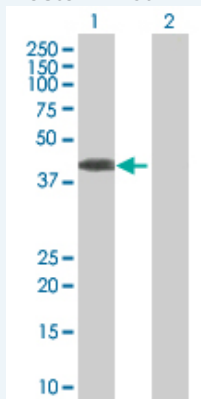
**Plasmid:** pCMV-NCF4 full-length

**Host:** Human

**Theoretical MW (kDa):** 37.4

**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-NCF4 antibody (H00004689-B01) by Western Blots.

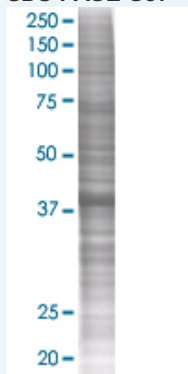
#### Western Blot



Lane 1: NCF4 transfected lysate ( 39 KDa)

Lane 2: Non-transfected lysate.

#### SDS-PAGE Gel



NCF4 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.

**MSDS:**  [Download](#)

### Applications

### Application Image

Western Blot

## Western Blot

### Gene Information

Entrez GeneID: [4689](#)

GeneBank [NM\\_000631](#)  
Accession#:

Protein [NP\\_000622](#)  
Accession#:

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]

Other Designations: OTTHUMP00000028736,OTTHUMP00000043756,neutrophil NADPH oxidase factor 4,neutrophil cytosol factor 4,neutrophil cytosolic factor 4

### Gene Pathway

[Leukocyte transendothelial migration](#)

### Related Disease

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