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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

NCF4 (Human) Recombinant Protein (P01)

Catalog Number: H00004689-P01

Regulation Status: For research use only (RUO)

Product Description: Human NCF4 full-length ORF (NP_000622.2, 1 a.a. - 339 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAVAQQLRAESDFEQLPDDVAISANIADIEEKRGFSTH
FVFEVIEVKTGGGSKYLIYRRYRQFHALQSKLEERFGPD
SKSSALACTLPTLPAKVYVGKQEIEMRIPALNAYMK
SLLSLPVWVLMDEDVRIFFYQSPYDSEQVPQALRRLR
PRTRKVKSVSPQGNVDRMAAPRAEALFDFTGNSKLE
LNFKAGDVIFLLSRINKDWLEGTVRGATGIFPLSFVKILK
DFPEEDDPTNWLRCYYYEDTISTIKDIAVEEDLSSTPLL
KDLELTRREFQREDIALNYRDAEGDLVRLLSDEDVAL
MVRQARGLPSQKRLFPWKLHITQKDNRYRVYNTMP

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 65.4

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 4689

Gene Symbol: NCF4

Gene Alias: MGC3810, NCF, P40PHOX, SH3PXD4

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]