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YB90041Ra01

**Neutrophil Activating Protein 3 (NAP3)**

**Organism: Rattus norvegicus (Rat)**

*Instruction manual*

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

1th Edition (Revised in February, 2012)

### [ **DESCRIPTION** ]

**Protein Names:** Neutrophil Activating Protein 3; C-X-C motif chemokine 1;  
Growth-regulated alpha protein

**Gene Names:** Cxcl1, Cinc1, Gro, Scyb1

**Size:** 100 $\mu$ g

**Source:** Recombinant

**Expression Host:** *E. coli*

**Function:** Has chemotactic activity for neutrophils. Contributes to neutrophil activation during inflammation.

**Subcellular Location:** Secreted

**Tissue Specificity:** At least expressed in the lung and trachea.

### [ **PROPERTIES** ]

**Residues:** Ala25~Lys96 (Accession # P14095), with a N-terminal His-tag.

**Grade & Purity:** >97%, 11.67 kDa as determined by SDS-PAGE reducing conditions.

**Form & Buffer:** Supplied as lyophilized form in PBS, pH 7.4.

**Endotoxin Level:** <1.0 EU per 1 $\mu$ g(determined by the LAL method).

**Applications:** SDS-PAGE; WB; ELISA;IP.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted Molecular Mass:** 11.67 kDa



## [ PREPARATION ]

Reconstitute in PBS.

## [ STORAGE AND STABILITY ]

**Storage:** Store at 4°C for short term storage (1-2 weeks). Aliquot and store at -20°C or -80°C for long term storage. Avoid repeated freeze/thaw cycles.

**Valid period:** 12 months stored at -80°C.

## [ BACKGROUND ]

The target protein is fused with a His-tag and its sequence is listed below.

MG S S H H H H H S S G LV P R G S H M A S M T G G Q Q MG R G S E F -AP VA N E L R C Q C L Q T VA GI H F K N I Q S L  
KVMPPGPHCT QTEVIATLKN GREACLDPEA PMVQKIVQKM LKGVPK

## [ REFERENCES ]

1. Huang S., et.al. (1992) Biochem. Biophys. Res. Commun. 184:922-929.
2. Huang S., et.al. (1992) Am. J. Pathol. 141:981-988.
3. Hanzawa H., et.al. (1994) FEBS Lett. 354:207-212.
4. Hanzawa H., et.al. (1997) J. Biochem. 121:835-841.
5. Hanzawa H., et.al. (1998) J. Biochem. 123:62-70.