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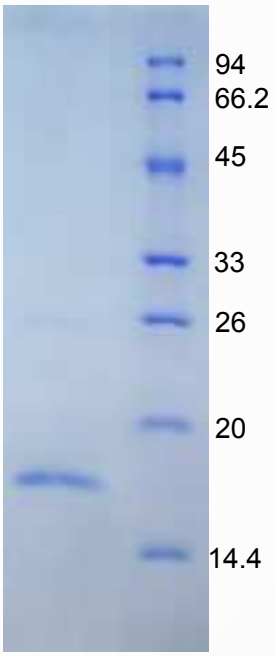
**P90484Ra01**
**N-terminal Pro Atrial Natriuretic Petide(NT-ProANP)**
**Organism: Rattus norvegicus (Rat)**
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

4th Edition (Revised in February, 2012)

**Rat NT-PRO ANP kDa**




## [ DESCRIPTION ]

**Protein Names:**N-Terminal Pro Atrial Natriuretic Peptide
**Synonyms:**NT-ProANP
**Species:** Rat
**Size: 10μg**
**Source:** *Escherichia* coli-derived
**Subcellular Location:** Secreted.

## [ PROPERTIES ]

**Residues:** Asn25~Arg122 (Accession # P01161), with N-terminal His-Tag.
**Grade & Purity:** >95%, 17 kDa as determined by SDS-PAGE reducing conditions.
**Formulation:** Supplied as lyophilized form in Phosphate buffered saline(PBS), pH 7.4, containing 5% sucrose.
**Endotoxin Level:** <1.0 EU per 1μg (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:** 12.1 kDa
SDS-PAGE is a technique that separates proteins based on size. However, the actual band size observed may differ from the predicted; the common factors may include three terms:
1. Alternative splicing (splice variants).
2. The composition of amino acids may give the protein the different relative charge.
3. Polymerization of the target protein.

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**Predicted isoelectric point:** 5.18

## [ PREPARATION ]

Reconstitute in sterile PBS, pH7.2-pH7.4.

## [ STORAGE AND STABILITY ]

**Storage: Avoid repeated freeze/thaw cycles.**

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months .

**Stability Test:** The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37℃ for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCES]

The target protein is fused with N-terminal His tag, its sequence is listed below.

NPVYSA VSNTDLMDFK NLLDHLEEKM PVEDEVMPPQ ALSEQTDEAG AALSSLSEVP

PWTGEVNPSQ RDGGALGRGP WDPSDRSALL KSKLRALLAG PR

## [ REFERENCES ]

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