

RPA105Si01 50µg

Recombinant Nerve Growth Factor (NGF)

Organism Species: *Rhesus monkey (Simian)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[**PROPERTIES**]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Glu19~Arg121+DDDDK+Ser122~Arg239

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

Original Concentration: 300µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

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

Predicted isoelectric point: 9.8

Predicted Molecular Mass: 28.4kDa

Accurate Molecular Mass: 28kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[**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. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[**SEQUENCE**]

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EP HESNVPAGH TIPQAHWTKL QHSLDTALRR
ARSAPAAAIA ARVAGQTRNI TVDPRLFKKR RLRSPRVLFS TQPPREAADT
QDLDFEVGGA APFNRTHRSK RDDDDKSSSH PIFHRGEFSV CDSVSVWVGD
KTTATDIK GK EVMVLGEVNI NNSVFKQYFF ETKCRDPNPV DSGCRGIDSK
HWNSYCTTTH TFVKALTM DG KQAARFIRI DTACVCVLSR KAVR
    
```

[IDENTIFICATION]

AGGGGCTGGTGGCCGGGGGAGGCATATGCTAGCATGACTGGGTGAGCAGCAATGGGTGGCGGATCCGACCAGCATAGCGAAAAGCAATGTGGGGGGGGCATAACATTGGCAGGGGCATTGGACCAACTGCAGCATAGCCTGGATACCGCGCTGGCGCGTGGCCGACAGCGCCCGGGGGGGG

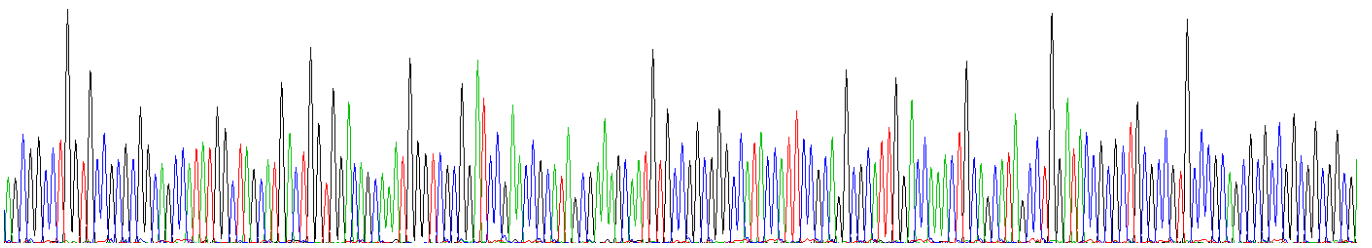


Figure . Gene Sequencing (extract)

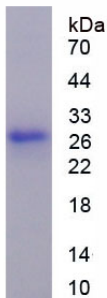


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.