

RPA068Ra02 200µg

Recombinant Glial Fibrillary Acidic Protein (GFAP)

Organism Species: *Rattus norvegicus* (Rat)

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: Met1~Met430

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm

Purity: > 80%

Traits: Freeze-dried powder

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

Original Concentration: 100µg/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: 5.4

Predicted Molecular Mass: 53.6kDa

Accurate Molecular Mass: 54kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.5 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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MERRRITSAR RSYASSETMV RGHGPTHRLG TIPRLSLSRM TPPLPARVDF
SLAGALNAGF KETRASERA EMMELNDRFAS YIEKVRFLAQ QNKALAAELN
QLRAKEPTKL ADVYQAE LRE LRLRLDQLTT NSARLEVERD NLTQDLGTLR
QKLQDETCLR LEAENNLAVY RQEAD EATLA RVDLERKVES LEEEIQLFRK
IHEEEVRELQ EQLAQQQVHV EMDVAKPDLT AALREIRTQY EAVATSNMQE
TEEWYRSKFA DLTDVASRNA ELLRQAKHEA NDYRRQLQAL TCDLESLRGT
NESLERQMRE QEERHARES A SYQEALARLE EEGQSLKEEM ARHLQEYQDL
LNVKLALDIE IATYRKLLEG EENRITIPVQ TFSNLQIRET SLDTKSVSEG
HLKRNIVVKT VEMRDGEVIK ESKQEHKDV M
    
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[IDENTIFICATION]

CATGGAGCGAGAGATACACTCTGCACGCGCTCTATGCGCTCTCCGAGAGATGGTCAGGGGCAATGGTCTACCGAGACCTGGGTACCATTCGCGGCTCTCCCTGCTCGAATGACGCTCCACTCCCTGCAGGGTAGACTTCTCCCTGGCGGGGCGCTCAATGCCGCTCGAAGAGACTCGGGCCGAGCGCGGGAGATGATGGAGCT
MERRRITSARRSYASSETMVRGHGPTFRLHLGTIPRLSLSRMTFPLPARVDFSLAGALNAGFKETRASERAEMHEL

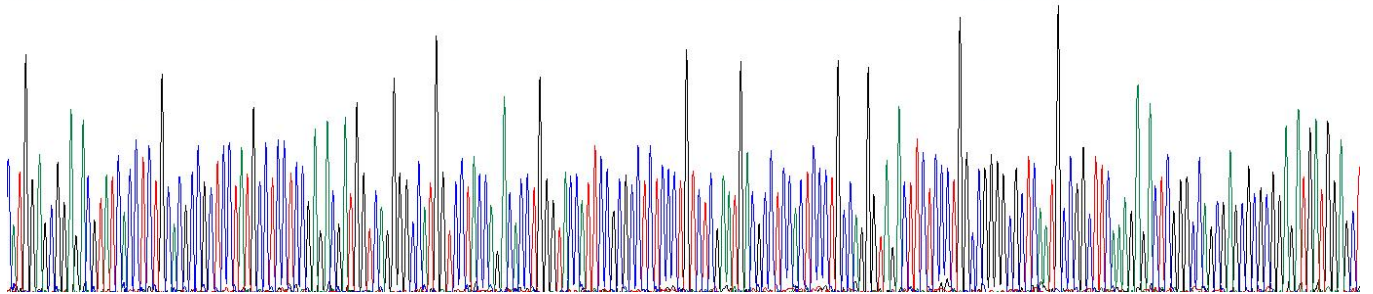


Figure. Gene Sequencing (Extract)

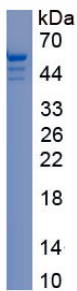


Figure. SDS-PAGE

[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.