

RPB319Hu01 50µg

Recombinant Microtubule Associated Protein 4 (MAP4)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Met243~Val549

Tags: N-terminal His and GST Tag

Subcellular Location: Cytoplasm

Purity: > 90%

Traits: Freeze-dried powder

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

Original Concentration: 50µg/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: 4.5

Predicted Molecular Mass: 63.1kDa

Accurate Molecular Mass: 63kDa 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]

```

MGLKTTDM
APSKETEMAL AKDMALATKT EVALAKDMES PTKLDVTLAK DMQPSMESDM
ALVKDMELPT EKEVALVKDV RWPTETDVSS AKNVVLPPTET EVAPAKDVTL
LKETERASPI KMDLAPSKDM GPPKENKKET ERASPIKMDL APSKDMGPPK
ENKIVPAKDL VLLSEIEVAQ ANDIISSTEI SSAEKVALSS ETEVALARDM
TLPPETNVIL TKDKALPLEA EVAPVKDMAQ LPETEIAPAK DVAPSTVKEV
GLLKDMSPLS ETEMALGKDV TPPPETEVVL IKNVCLPPEM EVALTEDQV

```

[IDENTIFICATION]

GAATTCATGGGACTGAGACTTCTGTCATGGGCACTCTAAAGAAAGGAGATGGCCCTGGCCAGGACATGGCCCTTGGCTCGAAAGCGGGTGGCATGGCTAAAGATAGGATCGCCACCCAAATTCGATGGAGCTCTGGCCAGGACATGGCCCAATCCATGGATCGATATGGCCCTGTCAGGTCATGGACTTCCCTCGAAAGAGAGTGGCCCTGGTTAAAGTGGCTG

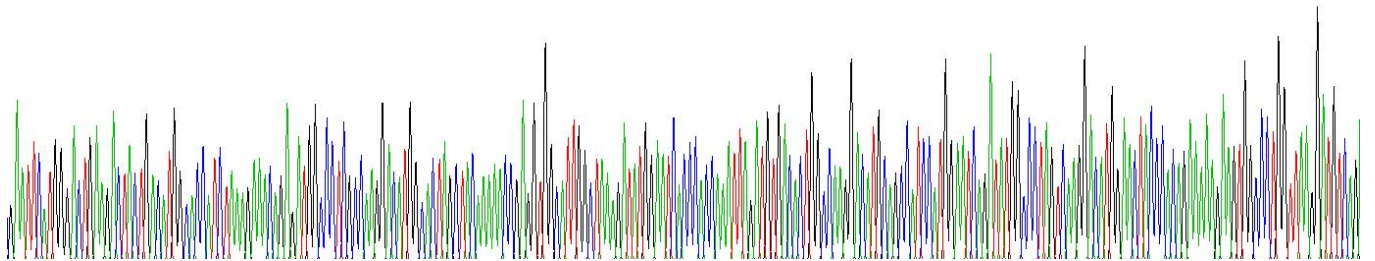


Figure . Gene Sequencing (extract)

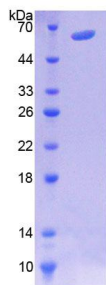


Figure. SDS-PAGE

[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.