

RPB806Hu01 1

Recombinant Serine/threonine-protein kinase mTOR (mTOR)

Organism Species: *Homo sapiens (Human)*

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: Ala2226~Val2488

Tags: N-terminal His Tag

Subcellular Location: Nucleus, Mitochondrion, Lysosome, Cytoplasm, Golgi apparatus, Endoplasmic reticulum lumen

Purity: > 80%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Original Concentration: 200µg/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: 7.0

Predicted Molecular Mass: 33.7kDa

Accurate Molecular Mass: 33kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O 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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                AVIPL STNSGLIGWV PHCDTLHALI
RDYREKKKIL LNIEHRIMLR MAPDYDHLTL MQKVEVFEHA VNNTAGDDLA
KLLWLKSPSS EVWFDRRTNY TRSLAVMSMV GYILGLGDRH PSNLMLDRLS
GKILHIDFGD CFEVAMTREK FPEKIPFRLT RMLTNAMEVT GLDGNRYITC
HTVMEVLREH KDSVMAVLEA FVYDPLLNR LMDTNTKGNK RSRTRDSYS
AGQSVEILDG VELGEPAAHK TGTTVPESIH SFIGDGLV
    
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[IDENTIFICATION]

CGATTGCTGTCATCCTTATGCGCACTCGGGCTCATGGCTGGTCCCTGTCGACACTGCAAGCTCATCGGGCTGCGGAGAGAGATCTCTCAACATCGAGATCGCATCTGTTGCGATGCTCCGCTATGACCTTCACTCTGATCGAGAGCTGGGGTTCGCGATCGCGCAATAACAGCTGGGGAGCTCGGCAAGCTCATGCTGAA

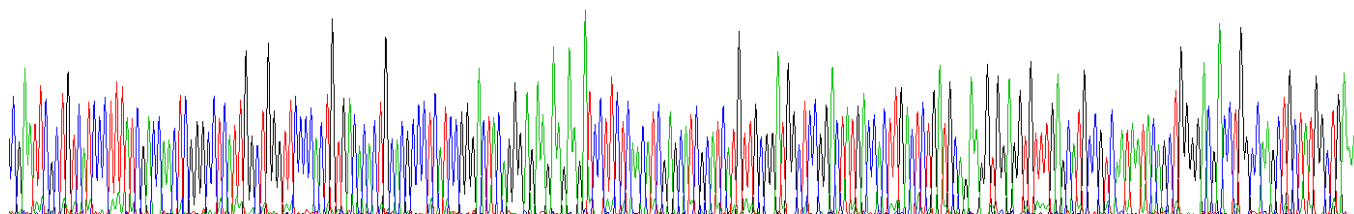


Figure . Gene Sequencing (extract)

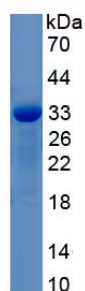


Figure. SDS-PAGE

[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.