

RPD357Hu01 50µg

Recombinant Protein Kinase, AMP Activated Alpha 2 (PRKAa2)

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: Asp252~Ala493

Tags: N-terminal His Tag

Subcellular Location: Nucleus, Cytoplasm

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 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: 6.8

Predicted Molecular Mass: 31.4kDa

Accurate Molecular Mass: 37kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affects the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[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.

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

[SEQUENCE]

DPLKRATIK DIREHEWFKQ DLPSYLFPEP PSYDANVIDD EAVKEVCEKF ECTESEVMNS LYSQDPQDQL AVAYHLIIDN
RRIMNQASEF YLASSPPSGS FMDDSAMHIP PGLKPHPERM PPLIADSPKA RCPLDALNTT KP KSLAVKKA KWHLGIRSQS
KPYDIMA EVY RAMKQLDFEW KVVNAYHLRV RRKNPVTGNY VKMSLQLYLV DNRSYLLDFK SIDDEVVEQR SGSSTPQRSC
SAA

GATTCGCGCCGACGCGGCTATGAGCTATGAGCGATGATGCTTAAAGCTTTGGCGGTCTATTCTCGAGCGCCCTCTATGCTGCTAGCTGATGATGCGCTGCGAGGCGGCGGAAATTTGATGTCAGATCGAGTATGCGTTATATAGCGCGCCTCGAGCGCTCTGAGCTTATCATCATCTTGCAATCGG

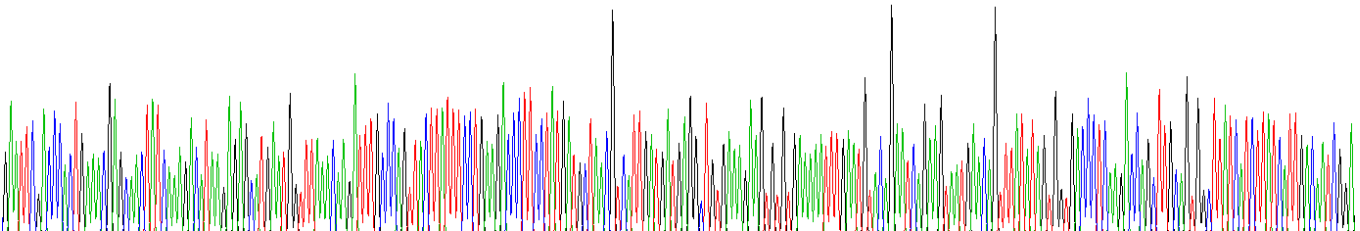


Figure . Gene Sequencing (extract)



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.