

RPA934Hu01 50µg

Recombinant Peroxisome Proliferator Activated Receptor Alpha (PPARα)

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: Pro61~Ala170

Tags: N-terminal His Tag

Subcellular Location: Nucleus

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 1500µg/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: 8.9

Predicted Molecular Mass: 13.2kDa

Accurate Molecular Mass: 18&35kDa 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 affect 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 10mM PBS (pH7.4) 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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PGSDGSVITD TLSPASSPSS VTYPVVPGSV DESPSGALNI
ECRICGDKAS GYHYGVHACE GCKGFFRRTI RLKLVYDKCD RSCKIQQKNR
NKCQYCRFHK CLSVGMSHNA
    
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[**IDENTIFICATION**]

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DC TGG CTG GAT GC TGG STC ATC GGA CAC GCT TTT CAC AACT TGG AGD DCC TCC TCG STG ACT TTA TCC TGT GGT CCG GGC AGG TGG ACG AGT CCG AGT GG ACG ATT GAA CAC TGG AAT GTG AAT CTG GGG SAC AAG GGC TAG GCT ATC ATT ACG AAT CCA GCG TGT GAA GGT TGC AAG GGT TTT CTT TCG GAA AG
P G S D G S V I T D T L S P A S S P S S V T Y P V V P G S V D E S P S G A L H I E C R I C G D K A S G Y H Y G V H A C E G C K G F F R T
    
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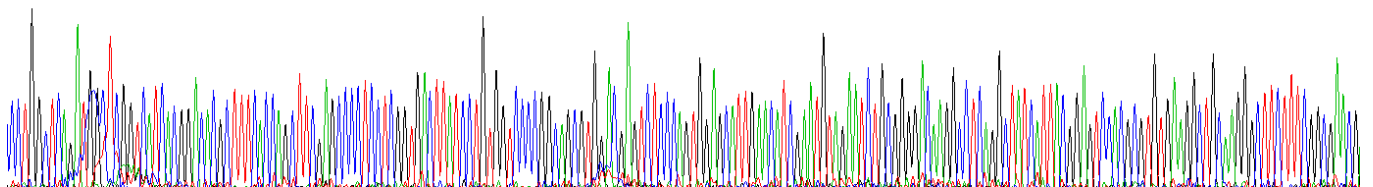


Figure. Gene Sequencing (Extract)



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.