

RPA895Hu04 100µg

Recombinant Insulin Receptor (INSR)

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: Pro622~Thr945

Tags: N-terminal His and GST Tag

Subcellular Location: Secreted

Purity: > 90%

Traits: Freeze-dried powder

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

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: 5.6

Predicted Molecular Mass: 66.5kDa

Accurate Molecular Mass: 70kDa 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 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]

PSVPLDPIS	VSNSSSQIIL	KWKPPSDPNG	NITHYLVFWE	RQAEDSELFE	LDYCLKGLKL	PSRTWSPPFE
SEDSQKHNQS	EYEDSAGECC	SCPKTDSQIL	KELEESSFRK	TFEDYLHNVV	FVPRKTSSGT	GAEDPRPSRK
RRSLGDVGNV	TVAVPTVAAF	PNTSSTSVPT	SPEEHRPFEK	VVNKESLVIS	GLRHFTGYRI	ELQACNQDTP
EERCSVAAYV	SARTMPEAKA	DDIVGPVTHE	IFENNVVHLM	WQEPKEPNGL	IVLYEVSYRR	YGDEELHLCV
SRKHFALERG	CRLRGLSPGN	YSVRIRATSL	AGNGSWTEPT	YFYVT		

[IDENTIFICATION]

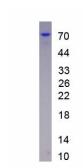


Figure. SDS-PAGE

[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.