

RPA895Mu01 1mg

Recombinant Insulin Receptor (INSR)

Organism Species: *Mus musculus* (Mouse)

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: Leu1101~Ser1372

Tags: N-terminal His Tag

Subcellular Location: Membrane, Lysosome

Purity: > 90%

Traits: Freeze-dried powder

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

Original Concentration: 300µg/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: 5.5

Predicted Molecular Mass: 32.3kDa

Accurate Molecular Mass: 36kDa 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]

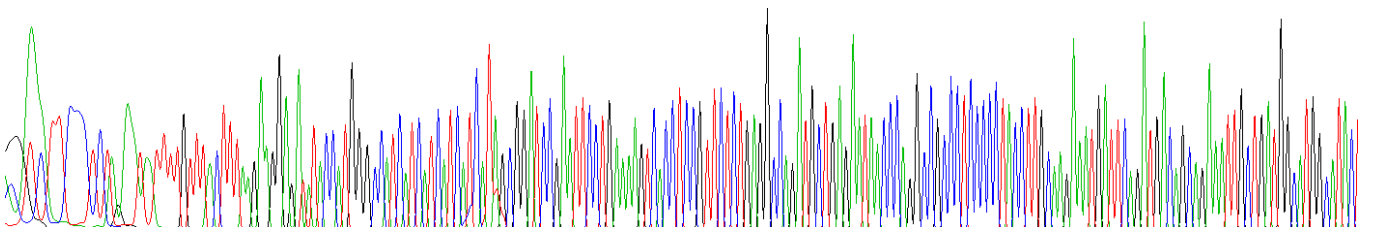
Storage: Avoid repeated freeze/thaw cycles.

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

[SEQUENCE]

LKSHLRSLRP DAENNPGRPP PTLQEMIQMT AEIADGMAYL NAKKFVHRDL
AARNCMVAHD FTVKIGDFGM TRDIYETDYY RKGGKGLLPV RWMSPESLKD
GVFTASSDMW SFGVVLWEIT SLAEQPYQGL SNEQVLKFVM DGGYLDPPDN
CPERLTDLMR MCWQFNPKMR PTFLEIVNLL KDDLHPSFPE VSFFYSEENK
APESEEELEME FEDMENVPLD RSSHCQREEA GGREGGSSLS IKRTYDEHIP
YTHMNGGKKN GRVLTLPASN PS

GGGAC TT CCG TCTAGAATATTTTGTTTCTTTTAGAGGAGATACCATGGGCGCATCATCATCATCATAGCGGATCGGAATTCCTGAAAGTCGACCTCGTTCTCTGAGGCGAGATCTGAGATAAAGCCAGGCGCGCCCTGCGGCTGCTGCAAGAAATGATTCAGATGACACAGAAATTCCTGATGGCATGCGATTC



[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.