

Active Recombinant Human INSR, His-tagged

Cat. No. INSR-661H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human INSR (Accession # NP_001073285) His28-Arg750 (alpha subunit) & Ser751-Lys944, fused with a C-terminal 10-His tag (beta subunit), was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	28-750;751-944 a.a.
Predicted N Terminal	His28 (alpha subunit) & Ser751(beta subunit)
Form	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured by its binding ability in a functional ELISA. When 15 ng/mL of biotinylated recombinant human Insulin is added to serially diluted Recombinant Human Insulin R/CD220, the concentration of Recombinant Human Insulin R/CD220 that produces 50% of the optimal binding response is typically 0.03-0.15 µg/mL.
Molecular Mass	Recombinant Human INSR, His-tagged has a calculated MW of 82.9 kDa (alpha subunit), 22.9 kDa (beta subunit). In SDS-PAGE migrates as 122-135 kDa and 33-43 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

Reconstitution Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name INSR insulin receptor [Homo sapiens]

Official Symbol INSR

Synonyms INSR; insulin receptor; CD220; IR; HHF5;

Gene ID 3643

mRNA Refseq NM_000208

Protein Refseq NP_000199

MIM 147670

UniProt ID P06213

Chromosome Location 19p13.3-p13.2

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