

Recombinant Human INSR, His tagged

Cat. No. INSR-623H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human INSR extracellular domain (Met 1-Lys 956) (NP_000199.2), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.
Species	Human
Source	HEK293
ProteinLength	Met 1-Lys 956
Form	Lyophilized from sterile PBS, pH 7.4
Molecular Mass	The secreted recombinant human INSR isoform long consists of 940 amino acids and has a predicted molecular mass of 107 (83+24) kDa. As a result of glycosylation, the apparent molecular mass of human INSR is approximately 110-125 kDa & 40-45 kDa, corresponding to the α subunit and the ECD of β subunit respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	INSR insulin receptor [Homo sapiens]
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Official Symbol	INSR
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Synonyms	INSR; insulin receptor; CD220; IR; HHF5;
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Gene ID	3643
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mRNA Refseq	NM_000208
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Protein Refseq	NP_000199
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MIM	147670
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UniProt ID	P06213
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