

## Recombinant Human INSR, His tagged

**Cat. No.** INSR-622H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human INSR isoform short extracellular domain (Met 1-Lys 944) (NP_001073285.1), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 1-Lys 944
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4
<b>Molecular Mass</b>	The secreted recombinant human INSR isoform short consists of 928 amino acids and has a predicted molecular mass of 106 (83+23) kDa. As a result of glycosylation, the apparent molecular mass of rhINSR is approximately 125-135 kDa & 40-45 kDa, corresponding to the $\alpha$ subunit and the ECD of $\beta$ subunit respectively in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	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

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

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