

## Recombinant Human IGF1R protein, His-Avi-tagged, Biotinylated

Cat. No. IGF1R-0286H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human IGF1R protein(P08069)(Glu31-Asn932), fused with C-terminal His and Avi tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Glu31-Asn932
<b>Tag</b>	C-His-Avi
<b>Conjugation/Label</b>	Biotin
<b>Form</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Biotinylated Human IGF1R, His Tag at 1µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-IGF1R Antibody, hFc Tag with the EC50 of 3.9ng/ml determined by ELISA.
<b>Molecular Mass</b>	The protein has a predicted MW of 105.8 kDa (alpha subunit) and 23 kDa (beta subunit). Due to glycosylation, the protein migrates to 110-120 kDa (alpha subunit) and 52-55 kDa (beta subunit) based on Tris-Bis PAGE result.

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<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
<b>Storage</b>	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	IGF1R insulin-like growth factor 1 receptor [ Homo sapiens ]
<b>Official Symbol</b>	IGF1R
<b>Synonyms</b>	IGF1R; insulin-like growth factor 1 receptor; CD221; IGFI; IGFR; JTK13; MGC18216; IGF-I receptor; soluble IGF1R variant 1; soluble IGF1R variant 2; insulin-like growth factor I receptor; MGC142170; MGC142172;
<b>Gene ID</b>	3480
<b>mRNA Refseq</b>	NM_000875
<b>Protein Refseq</b>	NP_000866
<b>MIM</b>	147370
<b>UniProt ID</b>	P08069

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