

Active Recombinant Human IGF1R protein, Fc-tagged

Cat. No. IGF1R-0285H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF1R protein(Glu31-Asn932), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	31-932 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human IGF-I R, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human IGF-I, Avitag,Fc Tag with a linear range of 0.01-0.625 µg/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminusThe protein has a calculated MW of 129.3 kDa. The protein migrates as 70-75 kDa and 105-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Glu31-Asn932
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

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 IGF1R insulin-like growth factor 1 receptor [Homo sapiens]

Official Symbol IGF1R

Synonyms 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;

Gene ID 3480

mRNA Refseq NM_000875

Protein Refseq NP_000866

MIM 147370

UniProt ID P08069

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