

# Recombinant Human IGF1R/CD221 Protein

Catalog No.: RP01143 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3480	P08069

### Tags

C-His

### Synonyms

IGF1R;CD221;IGFIR;IGFR;JTK13

## Product Information

Source	Purification
HEK293 cells	> 90 % by SDS-PAGE.

### Endotoxin

< 1.0 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution PBS Buffer, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact

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## Background

This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

## Basic Information

### Description

Recombinant Human IGF1R/CD221 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Asn932) of human IGF1R (Accession #NP\_000866.1) fused with a 6×His tag at the C-terminus.

### Bio-Activity

#### Storage

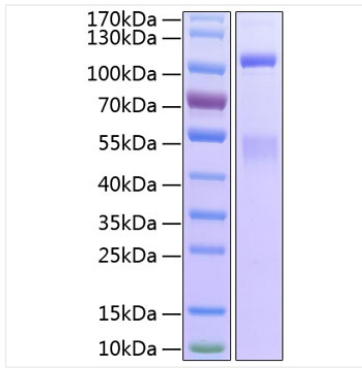
Store the lyophilized protein at -20°C to -80 °C for long term.

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human IGF1R/CD221 Protein was determined by SDS-PAGE with Coomassie Blue, showing three bands at approximately 150 kDa, 120 kDa and 48 kDa.