

Datasheet for ABIN6964134  
**IGF1R Protein (AA 31-932) (His tag)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	100 µg
Target:	IGF1R
Protein Characteristics:	AA 31-932
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGF1R protein is labelled with His tag.

## Product Details

Purpose:	Recombinant human IGF-1R protein with C-terminal 6xHis tag
Specificity:	IGF-1R (Glu31-Asn932) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	IGF1R
Alternative Name:	IGF-1R ( <a href="#">IGF1R Products</a> )
Background:	This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity.

## Target Details

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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. [provided by RefSeq, May 2014]

Molecular Weight: predicted molecular mass of 103.7 kDa after removal of the signal peptide. The apparent molecular mass of IGF-1R-His is 130-150 kDa due to glycosylation.

UniProt: [P08069](#)

Pathways: [RTK Signaling](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [Autophagy](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



### SDS-PAGE

**Image 1.** Human IGF-1R Protein, His Tag on SDS-PAGE under reducing condition.