

PRODUCT INFORMATION

IGF-1R **Target**

Synonyms CD221;IGFIR;IGFR;JTK13

Recombinant human IGF-1R protein with C-**Description**

terminal 6×His tag

Delivery In Stock **Uniprot ID** P08069 **HEK293 Expression Host** Tag C-6×His Tag

Molecular

Storage & Shipping

Background

IGF-1R(Glu31-Asn932) 6×His tag Characterization

The protein has a predicted molecular mass of

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

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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.

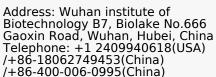
This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues 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. [provided by RefSeq, May 2014]

Usage Research use only

Unconjugated Conjugate

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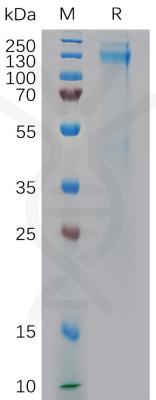


Figure 1. Human IGF-1R Protein, His Tag on SDS-PAGE under reducing condition.

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