

PRODUCT INFORMATION

Target	IGF-1R
Synonyms	CD221;IGFIR;IGFR;JTK13
Description	Recombinant human IGF-1R protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P08069
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	IGF-1R(Glu31-Asn932) 6×His tag
Molecular Weight	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 approximately 130-150 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	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.
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. [provided by RefSeq, May 2014]
Usage	Research use only



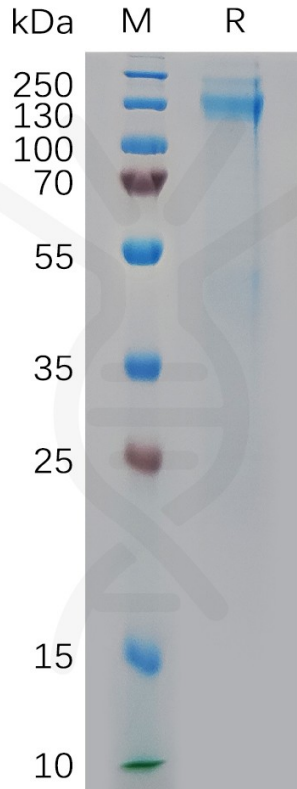


Figure 1. Human IGF-1R Protein, His Tag on SDS-PAGE under reducing condition.

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