

Recombinant Human IGF1R

Cat. No. IGF1R-29114TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1213-1367 of Human IGF1 Receptor,
Species	Human
Source	E.coli
ProteinLength	1213-1367 a.a.
Description	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.
Tissue specificity	Found as a hybrid receptor with INSR in muscle, heart, kidney, adipose tissue, skeletal muscle, hepatoma, fibroblasts, spleen and placenta (at protein level). Expressed in a variety of tissues.
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated

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freeze / thaw cycles.

Sequence Similarities Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 3 fibronectin type-III domains. Contains 1 protein kinase domain.

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; IGFIK; IGFR; JTK13; MGC18216;

Gene ID 3480

mRNA Refseq NM_000875

Protein Refseq NP_000866

MIM 147370

Uniprot ID P08069

Chromosome Location 15q26.3

Pathway Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Apoptosis, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; Endocytosis, organism-specific biosystem;

Function ATP binding; identical protein binding; insulin binding; insulin receptor binding; insulin

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receptor substrate binding;

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