Recombinant Human IGF1R protein, DDK-tagged

Cat. No. IGF1R-134H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF1R(741-935aa) fused with DDK tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	741-935 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. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Form	50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol.
Molecular Mass	22.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Concentration	>50 ug/mL as determined by microplate BCA method

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; IGFIR; IGFR; JTK13; MGC18216; IGF-I receptor; soluble IGF1R variant 1; soluble IGF1R variant 2; insulin-like growth factor I receptor; MGC142170; MGC142172;
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; Endocytosis, conserved biosystem; Focal Adhesion, organism-specific biosystem;
Function	ATP binding; identical protein binding; insulin binding; insulin receptor binding; insulin

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	receptor substrate binding; insulin-like growth factor I binding; insulin-like growth factor binding; insulin-like growth factor-activated receptor activity; nucleotide binding; phosphatidylinositol 3-kinase binding; protein binding; protein tyrosine kinase activity; receptor activity;

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