

Recombinant Human Insulin-like Growth Factor 1 Receptor, GST-His

Cat. No. IGF1R-2654H **Lot. No.** (See product label)

SPECIFICATION

| | |
|--------------------------|---|
| Product Overview | Recombinant human IGF-1R was fused at the N-terminus to a GST-His6-thrombin cleavage site sequence and expressed in <i>S. frugiperda</i> insect cells using a baculovirus expression system. MW = 76532 Da. |
| Species | Human |
| Source | <i>S. frugiperda</i> |
| Description | IGF-1R belong to the tyrosine kinase receptor family that mediates cell survival and growth in response to its ligands, IGF-1 and IGF-2. It is also involved in the proliferation of transformed cells. |
| Form | Liquid. In 100 mM NaCl, 50 mM Tris-HCL, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol. |
| Specific Activity | ≥45 U/mg protein. |
| Unit Definition | One unit is defined as the amount of enzyme required to transfer 1 nmol phosphate to Poly(Glu,Tyr) _{4:1} per min at 30°C using variable concentrations of ATP (0.1-2.52 μM). |
| Storage | ≤ -70°C. Avoid freeze/thaw. |

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

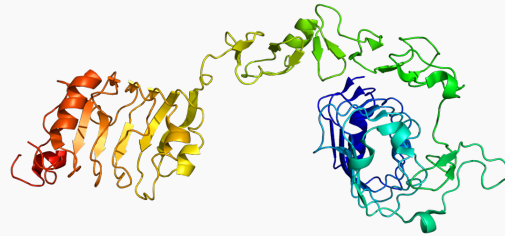
| | |
|----------------------------|--|
| Gene Name | IGF1R insulin-like growth factor 1 receptor [Homo sapiens] |
| Synonyms | IGF1R; insulin-like growth factor 1 receptor; IGFR; CD221; IGFI; JTK13; MGC18216; MGC142170; MGC142172; soluble IGF1R variant 1; soluble IGF1R variant 2; EC 2.7.10.1; CD221; IGF-I receptor; CD221 antigen; Insulin-like growth factor 1 receptor alpha chain; Insulin-like growth factor 1 receptor beta chain |
| Gene ID | 3480 |
| mRNA Refseq | NM_000875 |
| Protein Refseq | NP_000866 |
| MIM | 147370 |
| UniProt ID | P08069 |
| Chromosome Location | 15q26.3 |
| Pathway | Adherens junction; Colorectal cancer; Endocytosis; Focal adhesion; Glioma; Long-term depression; Melanoma; Pathways in cancer; Prostate cancer |
| Function | ATP binding; identical protein binding; insulin binding; insulin receptor binding; insulin receptor substrate binding; insulin-like growth factor I binding; insulin-like growth factor receptor activity; nucleotide binding; phosphoinositide 3-kinase binding; receptor activity; transferase activity |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDB rendering based
on 1igr.



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA