

Recombinant Rat Igf1r protein, His-tagged

Cat. No. Igf1r-30R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Igf1r(Tyr764~Leu956) fused with His tag at N-terminal was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Tyr764~Leu956
Description	Igf1r played an important role in many functions.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	25.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

 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

Storage Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution Reconstitute in PBS or others.

GENE INFORMATION

Gene Name [Igf1r insulin-like growth factor 1 receptor \[Rattus norvegicus \]](#)

Official Symbol [Igf1r](#)

Synonyms IGF1R; insulin-like growth factor 1 receptor; IGF-I receptor; insulin-like growth factor I receptor; JTK13; IGFIIRC;

Gene ID [25718](#)

mRNA Refseq [NM_052807](#)

Protein Refseq [NP_434694](#)

MIM

UniProt ID [P24062](#)

Chromosome Location 1q22

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;

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Function

ATP binding; G-protein alpha-subunit binding; identical protein binding; identical protein binding; insulin binding; insulin binding; insulin receptor binding; insulin receptor binding; insulin receptor substrate binding; insulin receptor substrate binding; insulin receptor substrate binding; insulin receptor substrate binding; insulin-like growth factor I binding; insulin-like growth factor I binding; insulin-like growth factor binding; insulin-like growth factor binding; insulin-like growth factor binding; insulin-like growth factor-activated receptor activity; insulin-like growth factor-activated receptor activity; insulin-like growth factor-activated receptor activity; nucleotide binding; phosphatidylinositol 3-kinase binding; phosphatidylinositol 3-kinase binding; phosphatidylinositol 3-kinase binding; protein tyrosine kinase activity; protein tyrosine kinase activity; receptor activity; transmembrane receptor protein tyrosine kinase activity;

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