

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.

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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	lgf1r insulin-like growth factor 1 receptor [Rattus norvegicus]
Official Symbol	lgf1r
Synonyms	IGF1R; insulin-like growth factor 1 receptor; IGF-I receptor; insulin-like growth factor I receptor; JTK13; IGFIRC;
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;

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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