

IGF1R recombinant protein

Recombinant Human Insulin-like growth factor 1 receptor (IGF1R) Protein

CATALOG # AAA55953	HOST E. coli AA 763-931 (P08069).
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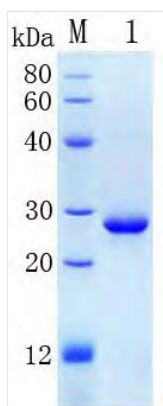
PRODUCT SYNONYMS

IGF1R; Recombinant Human Insulin-like growth factor 1 receptor (IGF1R) Protein; CD221; IGF1-R; IGFIR; JTK13.; IGF1R recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli AA 763-931 (P08069).
Purity/Purification	> 90 % as determined by SDS-PAGE.
Form/Format	10 mM Tris-HCl, 1 mM EDTA, pH 8.0, with 50% glycerol.
Concentration	0.7 mg/mL (varies by lot)
Sequence	YNITDPEELE TEYPFFESRV DNKERTVISN LRPFTLYRID IHSCNHEAEK LGCSASNFVF ARTMPAEGAD DIPGPVTWEP RPENSIFLKW PEPENPNGLI LMYEIKYGSV EDQRECVSRQ EYRKYGGAKL NRLNPGNYTA RIQATSLSGN GSWTDPVFFY VQAKTGYE
Source	Human
Protein Residues	with N-terminal 6×His-tag.
Endotoxin Level	Please contact us for more information.
Usage	IGF1R Protein - Centrifuge the standard vial at 6000-10000rpm for 30s.
Preparation and Storage	Store it under sterile conditions at -20°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. The recombinant protein is stable for up to 6 months from date of receipt at -80°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IGF1R recombinant protein	The Insulin-like Growth Factor 1 (IGF-1) Receptor is a transmembrane receptor that is activated by IGF-1 and by the related growth factor IGF-2. It belongs to the large class of tyrosine kinase receptors. This receptor mediates the effects of IGF-1, which is a polypeptide protein hormone similar in molecular structure to insulin. IGF-1 plays an important role in growth and continues to have anabolic effects in adults - meaning that it can induce hypertrophy of skeletal muscle and other target tissues. Mice lacking the IGF-1 receptor die late in development, and show a dramatic reduction in body mass, testifying to the strong growth promoting effect of this receptor. Mice carrying only one functional copy of igf1r are normal, but exhibit a ~15% decrease in body mass.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557665
NCBI GeneID	3480
NCBI Accession #	NP_000866.1
NCBI GenBank Nucleotide #	NM_000875.4
UniProt Accession #	P08069; Q14CV2; Q9UCC0; B1B5Y2
Molecular Weight	Predicted MW: 23.4 kDa Observed MW: 27 kDa
NCBI Official Full Name	insulin-like growth factor 1 receptor isoform 1
NCBI Official Synonym Full Names	insulin like growth factor 1 receptor
NCBI Official Symbol	IGF1R
NCBI Official Synonym Symbols	IGFR; CD221; IGFI; JTK13
NCBI Protein Information	insulin-like growth factor 1 receptor
UniProt Protein Name	Insulin-like growth factor 1 receptor
UniProt Gene Name	IGF1R
UniProt Synonym Gene Names	IGF-I receptor
UniProt Entry Name	IGF1R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.