

Recombinant Human IGF2R protein, His-tagged

Cat. No. IGF2R-290H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGF2R(NP_000867.3)(Asn2167~Ala2442), fused with N-terminal His Tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asn2167~Ala2442
Description	This gene encodes a receptor for both insulin-like growth factor 2 and mannose 6-phosphate. The binding sites for each ligand are located on different segments of the protein. This receptor has various functions, including in the intracellular trafficking of lysosomal enzymes, the activation of transforming growth factor beta, and the degradation of insulin-like growth factor 2. Mutation or loss of heterozygosity of this gene has been association with risk of hepatocellular carcinoma. The orthologous mouse gene is imprinted and shows exclusive expression from the maternal allele; however, imprinting of the human gene may be polymorphic, as only a minority of individuals showed biased expression from the maternal allele (PMID:8267611).
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	33kDa as determined by SDS-PAGE reducing conditions.
AA Sequence	NGDNYLYEIQQLSSITSSRNPACSGANICQVKPNDQHFSRKVGTSKTKYYLQDGDLD

 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

VVFASSSKCGKDKTKSVSSTIFFHCDPLVEDGIPEFSHETADCQYLFSWYTSAVCP
 GVGFDSENPGDDGQMHKGLSERSQAVGAVLSLLVALTCCLLALLLYKKERRETVIS
 KLTTCCRRSSNVSYKYSKVNKEEETDENETEWLMEEIQLPPPRQGKEGQENGHITT
 KSVKALSSLHGDDQDSEDEVLTPEVKVHSGRGAGAESSHPVRNAQSNA

Endotoxin < 1.0EU per 1g (determined by the LAL method)

Purity > 95%

Applications Positive Control; Immunogen; SDS-PAGE; WB.
 If bio-activity of the protein is needed, please check active protein.

Notes The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.

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°C 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.

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

Concentration 200g/mL

Reconstitution Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name IGF2R insulin like growth factor 2 receptor [Homo sapiens (human)]

 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

Official Symbol	IGF2R
Synonyms	MPR1; MPRI; CD222; CIMPR; M6P-R; MPR300; CI-M6PR; MPR 300; M6P/IGF2R
Gene ID	3482
mRNA Refseq	NM_000876.4
Protein Refseq	NP_000867.3
MIM	147280
UniProt ID	P11717
SDS-PAGE of IGF2R-290H 	