Active Recombinant Human IGF2R, Fc-tagged

Cat. No. IGF2R-626H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human IGF2R-Fc is expressed as a 714 amino acid protein consisting of Met1508 - Leu1992 region of IGF2R (UniProt #P11717, repeat #11-13) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
Species	Human
Source	Human Cells
ProteinLength	1508-1992 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier free & preservative free).
Bio-activity	Binds to its ligand IGF2 and inhibits IGF2-mediated signaling activity.
Molecular Mass	Calculated molecular mass 79.2 kDa; estimated by SDS-PAGE under reducing condition 85-90 kDa probably due to glycosylation
Endotoxin	<0.1 eu="" per="" 1="" µg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below

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	–20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	IGF2R insulin-like growth factor 2 receptor [Homo sapiens]
Official Symbol	IGF2R
Synonyms	IGF2R; insulin-like growth factor 2 receptor; cation-independent mannose-6-phosphate receptor; cation independent mannose 6 phosphate receptor; CD222; CIMPR; M6P R; MPR1; MPRI; M6PR; CI-MPR; MPR 300; M6P/IGF2R; IGF-II receptor; M6P/IGF2 receptor; CI Man-6-P receptor; 300 kDa mannose 6-phosphate receptor; insulin-like growth factor II receptor; cation-independent mannose-6 phosphate receptor; M6P-R;
Gene ID	3482
mRNA Refseq	NM_000876
Protein Refseq	NP_000867
MIM	147280
UniProt ID	P11717
Chromosome Location	6q25-q27
Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated

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	Vesicle Biogenesis, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Membrane Trafficking, organism-specific biosystem; trans-Golgi Network Vesicle Budding, organism-specific biosystem;
Function	glycoprotein binding; insulin-like growth factor binding; insulin-like growth factor-activated receptor activity; mannose binding; phosphoprotein binding; protein binding; receptor activity; transporter activity;

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