



Recombinant Human Cation-independent mannose-6-phosphate receptor (IGF2R), partial

Product Code	CSB-YP011093HU
Abbreviation	Recombinant Human IGF2R protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P11717
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	LSRTEGDNCTVFDSQAGFSFDLTPLTKKDAYKVETDKYEFHINVCGPVSVGAC PPDSGACQVSRSDRKSWNLGRSNAKLSYYDGMQLTYRDGTPYNNEKRTPR ATLITFLCDRDAGVGFPEYQEEDNSTYNFRWYTSYACPEEP
Research Area	Transport
Source	Yeast
Target Names	IGF2R
Expression Region	628-772aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 6xHis-Myc-tagged
Mol. Weight	20.7 kDa
Protein Length	Partial
Image	 (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The generation of the recombinant human cation-independent mannose-6-phosphate receptor (IGF2R) with a C-terminal 6xHis-Myc-tag is accomplished using an efficient yeast expression system. The process involves cloning the gene fragment encoding the 628-772aa of the human IGF2R into a specialized



expression vector. This vector contains a C-terminal 6xHis-Myc-tag, which is designed to facilitate easy purification and detection of the recombinant protein. After introducing the constructed vector into yeast cells through transfection, transfected cells are selected. Large-scale culture of the transfected yeast cells is established to allow for optimal protein expression. The expressed recombinant IGF2R protein is then harvested from the cell lysate and subjected to purification techniques, ensuring a high level of purity. SDS-PAGE analysis confirms the protein's purity, which exceeds 90%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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