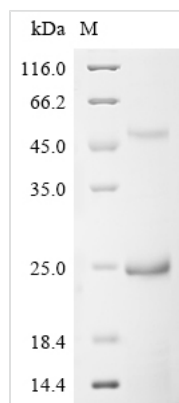




Recombinant Bovine Cation-independent mannose-6-phosphate receptor (IGF2R), partial

Product Code	CSB-EP011093BO
Abbreviation	Recombinant Bovine 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.	P08169
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	Bos taurus (Bovine)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	LSRTEGDNCTVFDSQAGFSFDLTPLTKKDAYKVETDKYEFHINVCGPVSVGAC PPDSGACQVSRSDRKSWNLGRSNAKLSYYDGMQLTYRDGTPYNNEKRTPR ATLITFLCDRDAGVGFPEYQEEDNSTYNFRWYTSYACPEEP
Research Area	Immunology
Source	E.coli
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	N-terminal 6xHis-tagged
Mol. Weight	22.4 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant bovine cation-independent mannose-6-phosphate receptor (IGF2R) is generated in *E. coli* using an expression construct that encodes amino acids 628 to 772 of the bovine IGF2R protein and an N-terminal 6xHis-tag. The N-terminal 6xHis-tag allows for efficient purification and detection of the recombinant IGF2R protein. The purity of the recombinant IGF2R protein exceeds 90%, as determined by SDS-PAGE analysis. On the gel, the protein migrates as a band with an approximate molecular weight of 24 kDa.

The bovine IGF2R protein serves as a cation-independent mannose-6-phosphate (CI-M6P) receptor, playing a crucial role in the cellular trafficking and targeting of lysosomal enzymes. IGF2R also participates in the regulation of growth and development through interaction with IGF2.

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

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.