

Recombinant Human IGF2R/CD222 Protein

Catalog No.: RP02786 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3482	P11717

Tags

C-His&Avi

Synonyms

CI-MPR; M6PR; MPR 300; IGF-II receptor; M6P/IGF2R; CD222; MPRI;IGF2R

Product Information

Source	Purification
HEK293 cells	> 95% as determined by HPLC

Calculated MW	Observed MW
28 kDa	50-60 kDa

Endotoxin

<1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

The cation-independent mannose-6-phosphate/insulin-like growth factor 2 receptor (M6P/IGF2R) is a multifunctional receptor. It is involved in a variety of cellular processes which become dysregulated in cancer.

Basic Information

Description

Recombinant Human IGF2R/CD222 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu47-Met1508) of human IGF2R (Accession #NP_000867.2) fused with a His, Avi tag at the C-terminus.

Bio-Activity

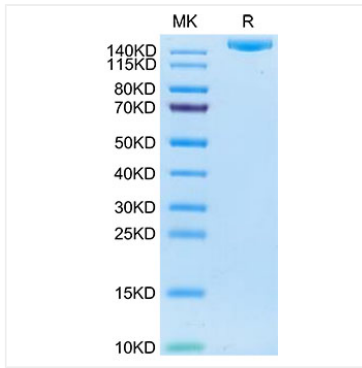
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

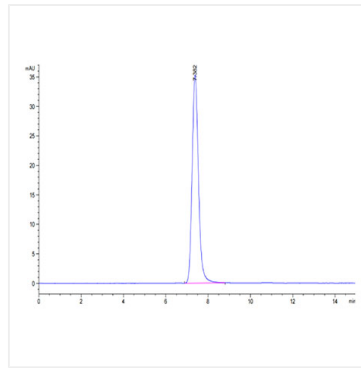
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human IGF2R Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 165-200 kDa.



The purity of Human IGF2R is greater than 95% as determined by SEC-HPLC.