# Human IGF2R Protein

**Cat. No.** IGF-HM12R

## Description

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|---|---|
| **Source** | Recombinant Human IGF2R Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus |
| | It contains Glu47-Met1508. |
| **Accession** | P11717 |
| **Molecular Weight** | The protein has a predicted MW of 164.90 kDa. Due to glycosylation, the protein migrates to 165-200 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1 EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC |

## Formulation and Storage

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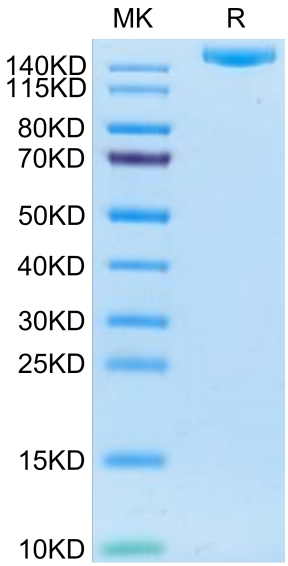
|---|---|
| **Formulation** | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## 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.

## Assay Data

**Bis-Tris PAGE**




Human IGF2R on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

**SEC-HPLC**

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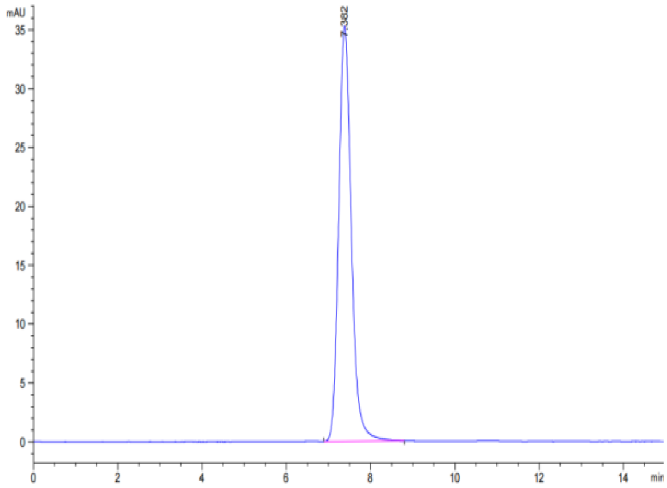
## Assay Data




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