

# Human IGF2R Domain 1-3 Protein

Cat. No. IGF-HM1RD



## Description

<b>Source</b>	Recombinant Human IGF2R Domain 1-3 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gln41-Glu471.
<b>Accession</b>	P11717
<b>Molecular Weight</b>	The protein has a predicted MW of 50.50 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

## Formulation and Storage

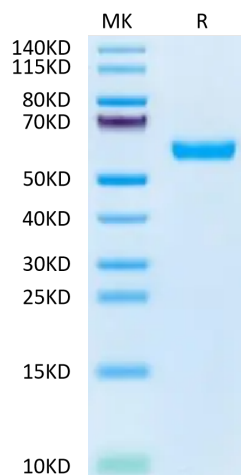
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-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.

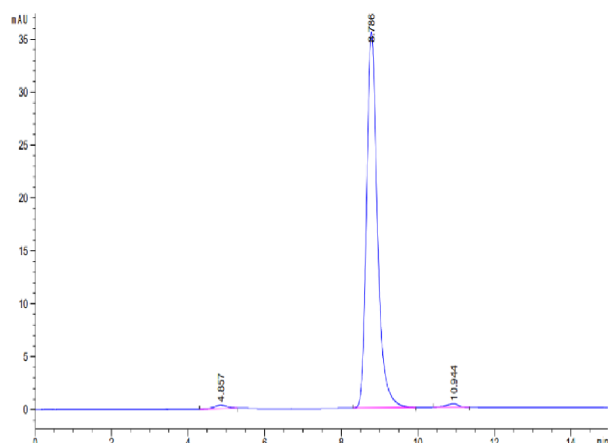
## Assay Data

### Bis-Tris PAGE



Human IGF2R Domain 1-3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human IGF2R Domain 1-3 is greater than 95% as determined by SEC-HPLC.