Biotinylated Human IGF1R/CD221 Protein

Catalog # IGF1R-HB001 Form: Lyophilized

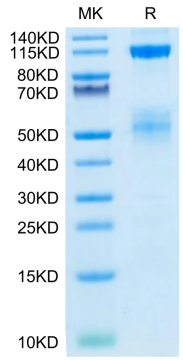
Product Details

Product description	Recombinant Biotinylated Human IGF1R/CD221 Protein is expressed in HEK293 cells with a His tag and Avi tag at the C-terminus. It contains amino acid residues Glu31-Asn932 (UniProt accession: P08069).
Molecular aliases	CD221; IGF1R; IGF-1R; IGF-I R; IGF-I receptor; IGFIR; IGFR; JTK13; MGC142170; MGC142172; MGC18216
Expression system	HEK293
Molecular weight	The protein has a predicted MW of 80.4 kDa (alpha subunit) and 25.4 kDa (beta subunit). Due to the furin cleavage site and glycosylation, the protein migrates to 110-120 kDa and 52-55 kDa based on Bis-Tris PAGE result.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC
Endotoxin	Less than 1 EU per μg by the LAL method.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
State	Lyophilized
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.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Biotinylated Human IGF1R on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.