

Mouse IGF1R/CD221 Protein

Cat. No. IGF-MM41R

Description

Source	Recombinant Mouse IGF1R/CD221 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Glu31-His936.
Accession	Q60751
Molecular Weight	The protein has a predicted MW of 80.72 kDa (alpha subunit) and 23.0 kDa (beta subunit). Due to furin cleavage and glycosylation, the protein migrates to 110-140 kDa(alpha subunit) and 50-65 kDa(beta subunit) based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

The type 1 IGF receptor (IGF1R) is a transmembrane tyrosine kinase that is frequently overexpressed by tumours, and mediates proliferation and apoptosis protection. IGF signalling also influences hypoxia signalling, protease secretion, tumour cell motility and adhesion, and thus can affect the propensity for invasion and metastasis. Therefore, the IGF1R is now an attractive anti-cancer treatment target.

Assay Data

Tris-Bis PAGE



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