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Datasheet for ABIN7454135
IGF1R Protein (AA 31-936) (His tag)

Overview

Quantity:	100 µg
Target:	IGF1R
Protein Characteristics:	AA 31-936
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGF1R protein is labelled with His tag.

Product Details

Purpose:	Mouse IGF1R/CD221 Protein
Sequence:	Glu31-His936
Characteristics:	Recombinant Mouse IGF1R/CD221 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu31-His936.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	IGF1R
Alternative Name:	IGF1R (IGF1R Products)

Target Details

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.
Molecular Weight:	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.
UniProt:	Q60751
Pathways:	RTK Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Autophagy

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months