

Datasheet for ABIN7454134  
**IGF1R Protein (AA 31-908) (His tag)**



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## Overview

Quantity:	100 µg
Target:	IGF1R
Protein Characteristics:	AA 31-908
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGF1R protein is labelled with His tag.

## Product Details

Purpose:	Cynomolgus IGF1R/CD221 Protein
Sequence:	Glu31-Asn908
Characteristics:	Recombinant Cynomolgus IGF1R/CD221 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu31-Asn908.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus IGF1R, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-IGF1R Antibody, hFc Tag with the EC50 of 17.2ng/ml determined by ELISA. See testing image for detail.

## Target Details

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Target:	IGF1R
Alternative Name:	IGF1R ( <a href="#">IGF1R Products</a> )
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:	80.59 kDa (alpha subunit) and 19.28 kDa (beta subunit). Due to glycosylation, the protein migrates to 48-58 kDa (beta subunit) and 100-115 kDa (alpha subunit) and 130-150 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">G7P9I7</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">Autophagy</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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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