

Datasheet for ABIN7538331  
**IGF1R Protein (AA 31-936) (His tag)**



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1 Image

## Overview

Quantity:	50 µg
Target:	IGF1R
Protein Characteristics:	AA 31-936
Origin:	Mouse
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGF1R protein is labelled with His tag.

## Product Details

Purpose:	Recombinant mouse IGF-1R protein with C-terminal 6xHis tag
Specificity:	Mouse IGF-1R (Glu31-His936) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	IGF1R
Alternative Name:	IGF-1R ( <a href="#">IGF1R Products</a> )
Background:	Enables insulin-like growth factor binding activity. Involved in several processes, including

## Target Details

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adrenal gland development, positive regulation of cold-induced thermogenesis, and positive regulation of meiotic cell cycle. Acts upstream of or within several processes, including gland development, peptidyl-tyrosine autophosphorylation, and regulation of intracellular signal transduction. Located in T-tubule. Is integral component of membrane. Is expressed in several structures, including alimentary system, brain, genitourinary system, limb, and lung. Human ortholog(s) of this gene implicated in several diseases, including dementia (multiple), kidney cancer (multiple), liver disease (multiple), nervous system cancer (multiple), and neurodegenerative disease (multiple). Orthologous to human IGF1R (insulin like growth factor 1 receptor). [provided by Alliance of Genome Resources, Apr 2022]

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Molecular Weight: predicted molecular mass of 104.5 kDa after removal of the signal peptide.

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UniProt: [Q60751](#)

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Pathways: [RTK Signaling](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [Autophagy](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

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Storage: -20 °C,-80 °C

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Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

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Expiry Date: 12 months



### SDS-PAGE

**Image 1.** Mouse IGF-1R Protein, His Tag on SDS-PAGE under reducing condition.