

Datasheet for ABIN7505626
IGF1R Protein (AA 1-932) (His tag)



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Overview

Quantity:	100 µg
Target:	IGF1R
Protein Characteristics:	AA 1-932
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGF1R protein is labelled with His tag.

Product Details

Sequence:	Met1-Asn932
Characteristics:	A DNA sequence encoding the Human IGF1R protein (P08069) (Met1-Asn932) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	IGF1R
Alternative Name:	IGF1R (IGF1R Products)
Background:	Abbreviation: IGF1R Target Synonym: CD221 antigen,CD221,IGF1R,IGF-1R,IGF-I R,IGF-I receptor,IGFIR,IGF-IR,IGFR,insulin-like growth factor 1 receptor,JTK13 Background: The insulin-like growth factor-1 receptor (IGF1R) is a transmembrane tyrosine

Target Details

kinase involved in several biological processes including cell proliferation, differentiation, DNA repair, and cell survival. This a disulfide-linked heterotetrameric transmembrane protein consisting of two α and two β subunits, and among which, the α subunit is extracellular while the β subunit has an extracellular domain, a transmembrane domain and a cytoplasmic tyrosine kinase domain. The IGF-I receptor is highly expressed in all cell types and tissues. Essentially all of the biological activities of IGF-I and II have been shown to be mediated via IGF-I R. IGF1R is an important signaling molecule in cancer cells and plays an essential role in the establishment and maintenance of the transformed phenotype. Inhibition of IGF1R signaling thus appears to be a promising strategy to interfere with the growth and survival of cancer cells, is now an attractive anti-cancer treatment target.

Molecular Weight: Calculated MW: 102.41 kDa
 Observed MW: 110 kDa

UniProt: [P08069](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
 Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months