

Datasheet for ABIN7597416
IGF2 Protein (AA 99-330) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	IGF2
Protein Characteristics:	AA 99-330
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGF2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human IGF2 Protein with N-terminal human Fc tag
Sequence:	hFc(Glu99-Ala330) IGF2(Ala25-Glu91)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	IGF2
Alternative Name:	IGF2 (IGF2 Products)
Background:	<p>GRDF, SRS3, IGF-II, PP9974, C11orf43</p> <p>This gene encodes a member of the insulin family of polypeptide growth factors, which are involved in development and growth. It is an imprinted gene, expressed only from the paternal allele, and epigenetic changes at this locus are associated with Wilms tumour, Beckwith-</p>

Target Details

Wiedemann syndrome, rhabdomyosarcoma, and Silver-Russell syndrome. A read-through INS-IGF2 gene exists, whose 5' region overlaps the INS gene and the 3' region overlaps this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]

Molecular Weight: predicted molecular mass of 33.6 kDa after removal of the signal peptide. The apparent molecular mass of hFc-IGF2 is 35-55 kDa due to glycosylation.

UniProt: [P01344](#)

Pathways: [Hormone Activity](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [Regulation of Carbohydrate Metabolic Process](#), [Activated T Cell Proliferation](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Storage: -20 °C, -80 °C

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.

Expiry Date: 12 months