For Research Use Only Recombinant Human IGF1 protein (hFc Tag)



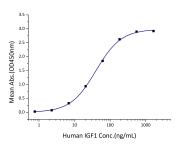
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Catalog Number: Eg0206

Basic Information	<mark>Species:</mark> Human	Purity: >90 %, SDS-PAGE	Tag: hFc Tag
	EC50: 20-80 ng/mL		
Technical Specifications	Purity: >90 %, SDS-PAGE		
	<mark>Endotoxin Level:</mark> <0.1 EU/ μ g protein, LAL method		
	Source: HEK293-derived Human IGF1 protein Gly49-Ala118 (Accession# P05019-1) with a human IgG1 Fc tag at the N- terminus.		
	GenelD: 3479		
	Accession: P05019-1		
	Predicted Molecular Mass: 33.7 kDa		
	SDS-PAGE: 34-36 kDa, reducing (R) conditior	15	
	Formulation: Lyophilized from 0.22 µm filtere protectants before lyophilization	ed solution in PBS, pH 7.4. Normall 1.	y 5% trehalose and 5% mannitol are added as
Biological Activity	Immobilized Human IGF1 R (GST 1 range of 20-80 ng/mL.	ag) at 1 µg/mL (100 µL/well) can	n bind Human IGF1 (hFc tag) with a linear
Storage and Shipping	Storage: It is recommended that the prote	in be aliquoted for optimal stora	ge. Avoid repeated freeze-thaw cycles.
	 Until expiry date, -20°C t 3 months, -20°C to -80°C 	o -80 $^\circ\mathrm{C}$ as lyophilized proteins. Under sterile conditions after re	constitution.
	Shipping: The product is shipped at ambier temperature.	nt temperature. Upon receipt, stor	re it immediately at the recommended
Reconstitution	Briefly centrifuge the tube befor	e opening. Reconstitute at 0.1-0.	5 mg/mL in sterile water.
Background	Insulin-like-growth factor 1 (IGF effects of growth hormone (GH). differentiation. IGF1 is largely sy IGF1 have been shown to play an mitogen and is inhibited by IGF-t with increased risk of several car	essential role in preventing the f vinding protein-3 (IGFBP3). High s	one is the principal mediator of biochemical or in the regulation of cell proliferation and to a lesser extent, in peripheral tissues. ormation of fatty liver. IGF1 is a potent erum IGF1 and low IGFBP3 are associated
References	1. Adamo ML. et al. (1993) Adv Exp 2. Adachi Y. et al. (2019) J Gastroe 3. Anisimov VN. et al. (2019) Crit R 4. Sonntag WE. et al. (2012) J Gerc	nterol Hepatol, 2019 Jun 3.	98.
Synonyms	IGF1, IGF-1, IGF I, IGFI, IGF-I		

Selected Validation Data





Purity of Recombinant Human IGF1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

Immobilized Human IGF1 R (GST tag) at 1 μ g/mL (100 μ L/well) can bind Human IGF1 (hFc tag) with a linear range of 20-80 ng/mL

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.