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## Overview

50 μg
IGF1
AA 49-118
Human
Escherichia coli (E. coli)
Recombinant
Recombinant Human Insulin-Like Growth Factor I/IGF-I/IGF1
GPETLCGAEL VDALQFVCGD RGFYFNKPTG YGSSSRRAPQ TGIVDECCFR SCDLRRLEMY CAPLKPAKSA
Recombinant Human LR3-IGF-I(RG) produced by e.coli expression system. Target protein is expressed with sequence (G49-A118) of Human (Uniprot #P05019).
> 95 % as determined by reducing SDS-PAGE.
0.2 μm filtered
Less than 0.05 ng/μg (0.5 IEU/μg) as determined by LAL test
IGF1
Insulin-Like Growth Factor I (IGF1 Products)

## **Target Details**

Molecular Weight:	7.6 kDa
UniProt:	P05019
Pathways:	RTK Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Peptide Hormone
	Metabolism, Hormone Activity, Regulation of Intracellular Steroid Hormone Receptor Signaling,
	Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Stem
	Cell Maintenance, Glycosaminoglycan Metabolic Process, Regulation of Carbohydrate
	Metabolic Process, Autophagy, Smooth Muscle Cell Migration, Activated T Cell Proliferation,
	Positive Regulation of fat Cell Differentiation

## **Application Details**

Handling Advice:

Storage:

7 Application Details	
Comment:	Gene Name: IGF1 IBP1
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 $\mu g/mL$ .
	Dissolve the lyophilized protein in 500 mM Acetic Acid.
	Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 300 mM NaAc, pH 6.5.

4 °C/-20 °C/-80 °C

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.