

Active Recombinant Human IGF1 Protein(E51R)

Cat. No. IGF1-1743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IGF1 Protein(E51R)(P05019)(Gly49-Ala118, E51R) is expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	49-118 aa
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Bio-activity	1Measured in a cell proliferation assay using FDC-P1 cells. The ED50 for this effect is 9.85-39.4 ng/mL, corresponding to a specific activity of $2.54 \times 10^4 \sim 1.01 \times 10^5$ units/mg.
Molecular Mass	9.12 kDa
Endotoxin	< 1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name IGF1 insulin-like growth factor 1 (somatomedin C) [Homo sapiens]

Official Symbol IGF1

Synonyms

IGF1; insulin-like growth factor 1 (somatomedin C); insulin-like growth factor 1; IGF1A; MGF; IGF-IA; IGF-IB; somatomedin-C; mechano growth factor; insulin-like growth factor I; insulin-like growth factor IA; insulin-like growth factor IB; IGFI; IGF-I;

Gene ID 3479

mRNA Refseq NM_000618

Protein Refseq NP_000609

MIM 147440

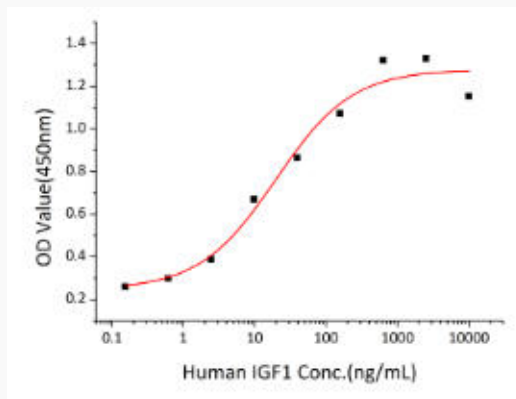
UniProt ID P05019

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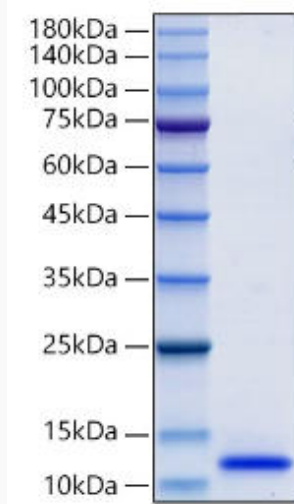
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Activity



SDS-PAGE



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