

## Recombinant Human IGF1 Protein

Catalog #	Source	Reactivity	Applications
CRP1719	E. coli	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human IGF1 Protein is produced by our E. coli expression system and the target gene encoding Thr52-Ala118 is expressed.		
<b>Form</b>	Lyophilized from a 0.2 $\mu$ M filtered solution of 300mM NaAc, pH 6.5.		
<b>Gene Symbol</b>	IGF1		
<b>Alternative Names</b>	IBP1; Insulin-like growth factor I; IGF-I; Mechano growth factor; MGF; Somatomedin-C		
<b>Entrez Gene</b>	3479 (Human)		
<b>SwissProt</b>	P05019 (Human)		
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
<b>Chemical Structure</b>	TLCGAELVDA LQFVCGDRGF YFNKPTGYGS SSRRAPQTGI VDECCFRSCD LRRLEMYCAP LKPAKSA		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
<b>Storage/Stability</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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