

## Recombinant Human IGF-1

Cat. No.:MGC058 size : 10 $\mu$ g / 50 $\mu$ g / 1mg

### Characteristics:

<b>Source</b>	HEK293
<b>Description</b>	Human IGF-1 (Gly49-Ala118) Accession # P05019
<b>Predicted molecular mass</b>	7.7kDa

### Specification:

<b>Appearance</b>	White powder,Colorless clear liquid after reconstitution
<b>Purity</b>	$\geq$ 95%, by SDS-PAGE (under conditions,visualized by Coomassie staining)
<b>Endotoxin</b>	$\leq$ 0.01EU/ $\mu$ g by the LAL method
<b>Activity</b>	Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. The ED <sub>50</sub> for this effect $\leq$ 60 ng/mL.
<b>Formulation</b>	Lyophilized from a 0.22 $\mu$ m-filtered solution containing PBS,5% mannitol and 0.01% Tween 80, pH7.4

### Handling and Storage:

<b>Reconstitution</b>	It is recommended to redissolve in sterile deionized water.
<b>Shipping</b>	Wet ice (seasonal)
<b>Storage &amp; Stability</b>	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b>

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