

CytoGrow™ Recombinant IGF-II (Human)

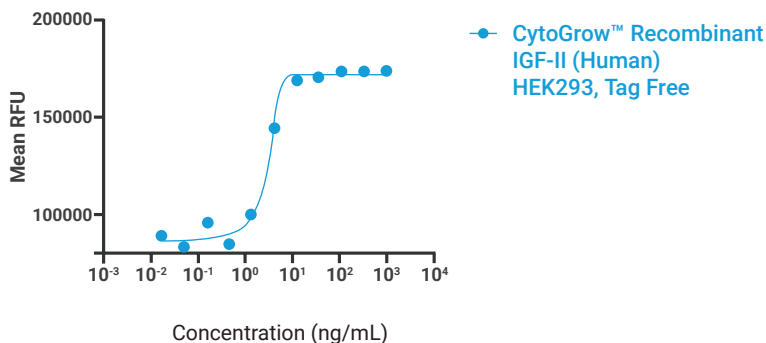
Catalog Numbers: CG100-A, CG100-B, CG100-C

Revision 1.0

Specifications

Synonym	
Species	Human
Size	10 µg/vial, 50 µg/vial, 1 mg/vial
Tag	Tag Free
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Expression System	HEK293
Expression Region	Ala25-Glu91
pH	2.0-3.0
Appearance	White powder,colorless clear liquid after reconstitution
Formulation	Lyophilized
Shipping	US - Ships overnight
Reconstitution	Recommended to redissolve in 4mM HCl.
Storage and Stability	Lyophilized state: 36 months at -20°C to -80°C After reconstitution and under sterile conditions. 6 months at -20°C to -80°C 7-10 days at 2°C to 8°C Store in a manual defrost freezer and avoid repeated freeze-thaw cycles.

Bioactivity



Measured in a serum-free cell proliferation assay using MCF-7 human breast cancer cells, the ED50 for this effect is ≤50 ng/mL.

Reconstitution

1. Reconstitute protein to concentrations of 100 µg/mL or higher.
2. Use 4mM HCl to solubilize the lyophilized protein.
3. Gently tap glass vial to help collect the powder to the bottom.
4. Add desired amount of buffer, observe after 2 min. Gentle agitation by hand may be required.
5. Prepare aliquots of solution. Freeze at -20°C to -80°C to avoid repeated freeze thaw cycles.