

CytoGrow™ Recombinant GH (Human)

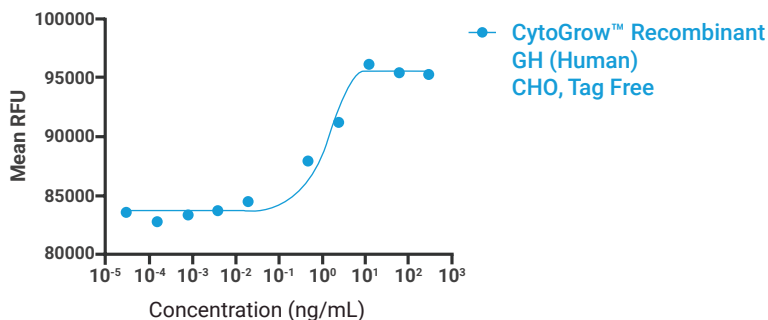
Catalog Numbers: CG073-A, CG073-B, CG073-C

Revision 1.0

Specifications

Synonym	GH1;Somatotropin;Growth hormone;GH;GH-N;Growth hormone 1;Pituitary growth hormone
Species	Human
Size	10µg/50µg/1mg
Tag	Tag Free
Purity	≥95%
Endotoxin	≤10 EU/mg
Expression System	CHO
Expression Region	Phe27-Phe217
pH	7.0-8.0
Appearance	
Formulation	Lyophilized
Shipping	Ships overnight
Reconstitution	Recommended to redissolve in sterile deionized water.
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 sterile deionized water 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.