

CytoGrow™ Recombinant LR3 IGF-1 (Human)

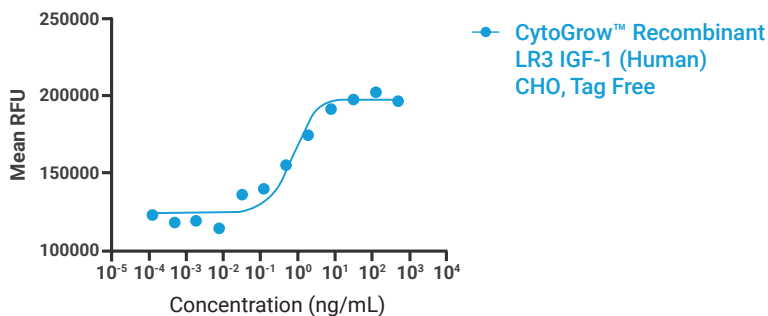
Catalog Numbers: CG054-A, CG054-B, CG054-C

Revision 1.0

Specifications

Synonym	
Species	Human
Size	10µg/50µg/1mg
Tag	Tag Free
Purity	≥ 95%
Endotoxin	≤10 EU/mg by the LAL method
Expression System	CHO
Expression Region	MFPAMPLSSLFVN+Gly49-Ala118(E51R)
pH	7.0-8.0
Appearance	White powder, Colorless clear liquid after reconstitution
Formulation	Lyophilized from a 0.2 µm filtered solution in Acetic Acid.
Shipping	The product is shipped with blue ice.
Reconstitution	It is 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



Biological activity is assessed based on the induction of IFN-gamma secretion by KG-1 cells in the presence of TNF-alpha. The expected ED₅₀ is less than or equal to 2.0 ng/mL,

Reconstitution

1. Reconstitute protein to concentrations of 100 ug/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.