

CytoGrow™ Recombinant R-Spondin1 (Human)

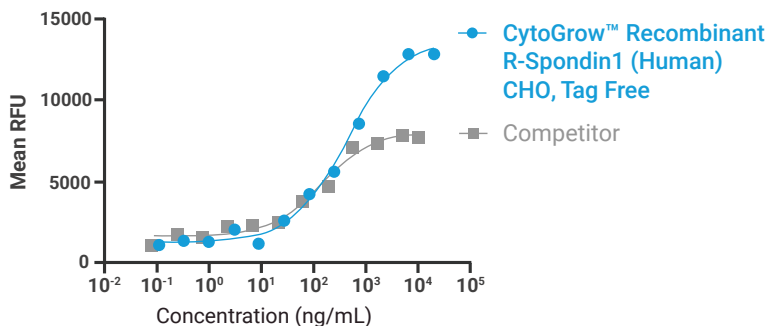
Catalog Numbers: CG067-A, CG067-B, CG067-C

Revision 1.0

Specifications

Synonym	
Species	Human
Size	10µg/50µg/1mg
Tag	Tag Free
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤1EU/mg by the LAL method
Expression System	CHO
Expression Region	Ser21-Ala263
pH	7.0-8.0
Appearance	White powder, Colorless clear liquid after reconstitution
Formulation	0.22 µm-filtered solution containing PBS, pH 7.4
Shipping	US - 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



Biological activity is assessed based on the induction of TopFlash reporter activity in CHO cells in the presence of 50 ng/mL Wnt3a. The expected ED₅₀ is less than 1.0 µg/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.