

CytoGrow™ Recombinant Fibronectin (Human)

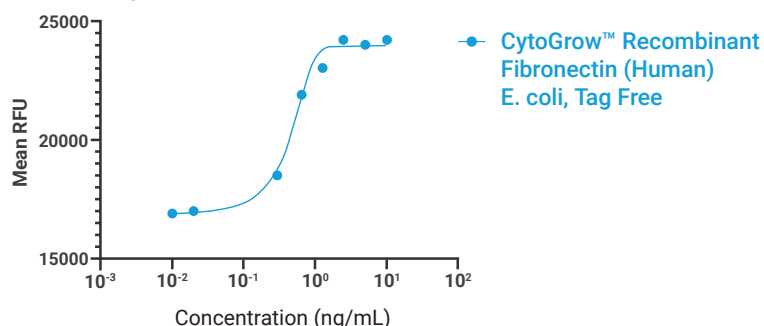
Catalog Numbers: CG025-A, CG025-B, CG025-C

Revision 1.0

Specifications

Synonym	FN; Cold-insoluble globulin; CIG; FN; Fibronectin 1
Species	Human
Size	10µg/50µg/1mg
Tag	Tag Free
Purity	≥95%
Endotoxin	≤100 EU/mg
Expression System	E. coli
Expression Region	Pro1270-Ser1546 & Ala1721-Thr2016
pH	7.0-8.0
Appearance	
Formulation	Lyophilized
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 stimulation of NIH3T3 cell adhesion. The expected ED₅₀ is between 35.0–420 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.