

## CytoGrow™ Recombinant Vitronectin (Human)

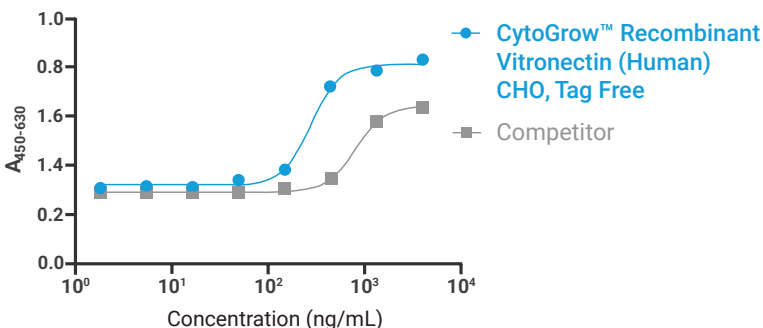
Catalog Numbers: CG082-A, CG082-B, CG082-C

Revision 1.0

### Specifications

Synonym	Vitronectin; VN; S-Protein; Serum-Spreading Factor; V75; VTN
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	≤1 EU/mg by the LAL method
Expression System	CHO
Expression Region	Asp20-Leu478
pH	7.0-8.0
Appearance	White Powder or clear liquid
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 ability of the immobilized protein to support adhesion of NIH3T3 mouse embryonic fibroblast cells. The expected ED<sub>50</sub> is between 2–10 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.