

# CytoGrow™ Recombinant VEGF165 (Human)

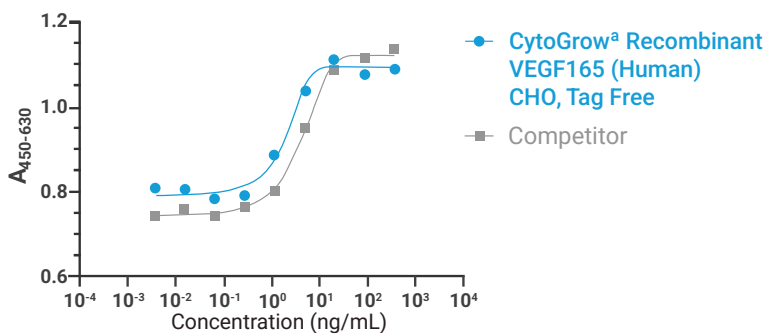
Catalog Numbers: CG080-A, CG080-B, CG080-C

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	≤10 EU/mg by the LAL method
Expression System	CHO
Expression Region	Ala27-Arg191
pH	7.0-8.0
Appearance	White Powder or clear liquid
Formulation	Lyophilized
Shipping	US - Ships overnight
Reconstitution	Rsecommended to redissolve in sterile deionized water.
Storage and Stability	<p>Lyophilized state: 36 months at -20°C to -80°C</p> <p>After reconstitution and under sterile conditions. 6 months at -20°C to -80°C 7-10 days at 2°C to 8°C</p> <p>Store in a manual defrost freezer and avoid repeated freeze-thaw cycles.</p>

## Bioactivity



Biological activity is assessed based on the stimulation of HUVEC (human umbilical vein endothelial cell) proliferation. The expected ED<sub>50</sub> is between 0.2–10 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.