

CytoGrow™ Recombinant PDGF-BB (Human)

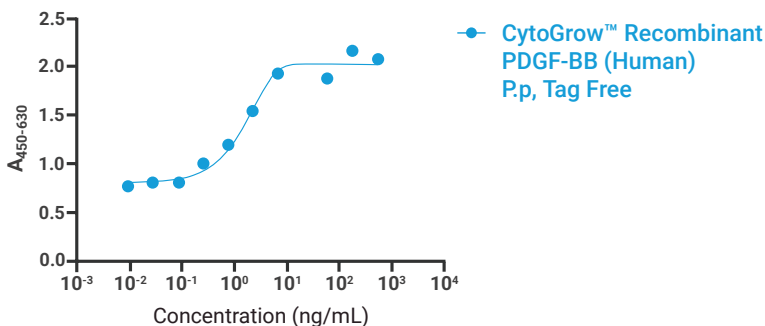
Catalog Numbers: CG064-A, CG064-B, CG064-C

Revision 1.0

Specifications

Synonym	PDGFBB; PDGF-BB
Species	Human
Size	10µg/50µg/1mg
Tag	Tag Free
Purity	≥ 95%
Endotoxin	≤10 EU/mg by the LAL method
Expression System	Pichia pastoris
Expression Region	Ser82-Thr190
pH	6.0-7.0
Appearance	White powder, Colorless clear liquid after reconstitution
Formulation	Lyophilized from a 0.22 µm-filtered solution containing 100mM Citratesodium citrate, 5% Mannitol 0.1% Trehalose pH 6.5
Shipping	The product is shipped with blue ice.
Reconstitution	It is recommended 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 NIH3T3 mouse embryonic fibroblast cell proliferation. The expected ED₅₀ is less than or equal to 5 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.