

# CytoGrow™ Recombinant TGF-β2 (Bovine/Porcine)

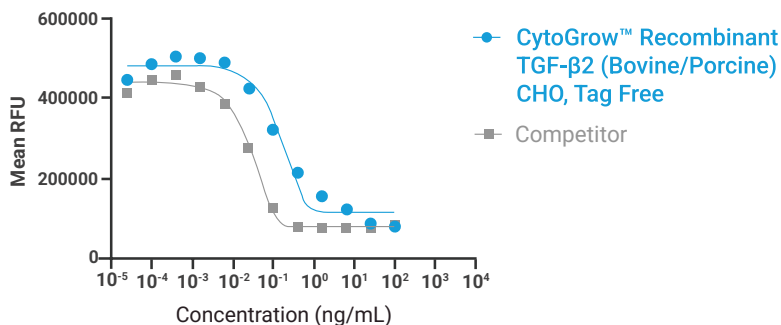
Catalog Numbers: CG133-A, CG133-B, CG133-C

Revision 1.0

## Specifications

Synonym	Transforming growth factor beta-3; TGFB3; TGF-beta-3; Latency-associated peptide; LAP
Species	Bovine/Porcine
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
Expression System	CHO
Expression Region	Ala 303-Ser 414
pH	2.0-3.0
Appearance	White Powder or clear liquid
Formulation	Lyophilized from a 0.22-µm filtered solution containing 0.085% TFA, 5% mannitol and 30% ACN, pH 2.5.
Shipping	US - Ships overnight
Reconstitution	Recommended to redissolve in 4mM HCl.
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



Measured in a cell inhibition assay using TF-1 cells at IL4 presence. The ED<sub>50</sub> for this effect is ≤0.3 ng/mL.

## Reconstitution

1. Reconstitute protein to concentrations of 100 µg/mL or higher.
2. Use sterile 4mM HCl 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.