

CytoGrow™ Recombinant Transferrin (Bovine)

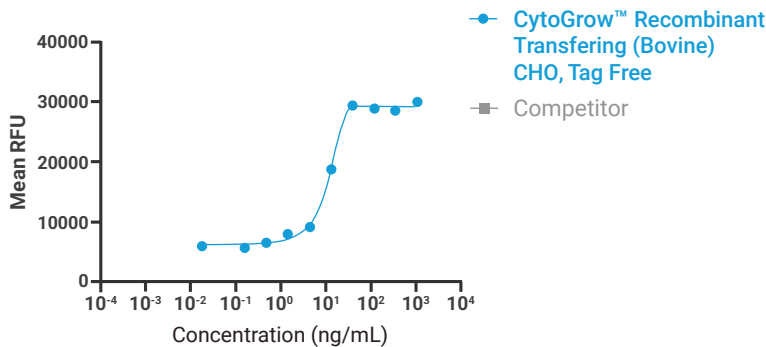
Catalog Numbers: CG077-10MG, CG077-100MG, CG077-1G

Revision 1.0

Specifications

Synonym	
Species	Human
Size	100mg/1g
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	Asp20-Pro704
pH	6.5-7.5
Appearance	Red Powder or clear red liquid
Formulation	Lyophilized
Shipping	US - Ships overnight
Reconstitution	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 MDCK canine kidney epithelial cell proliferation under serum-free conditions. The expected ED₅₀ is between 0.5–2 µg/mL, with the optimal concentration depending on cell type and specific application or research objectives.

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.