

CytoGrow™ Recombinant Wnt-3a (Human)

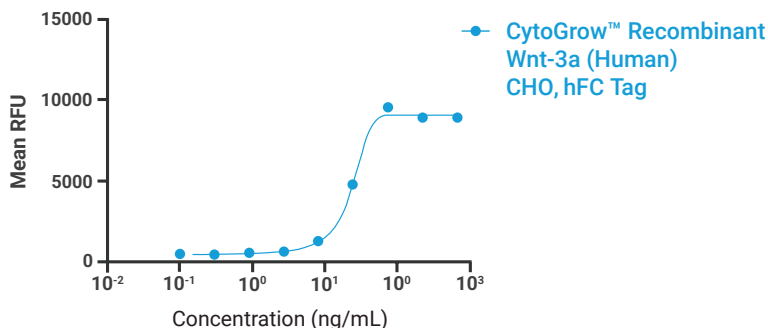
Catalog Numbers: CG084-A, CG084-B, CG084-C

Revision 1.0

Specifications

Synonym	MG/VAIL C119418; MG/VAIL C119419; MG/VAIL C119420; protein Wnt-3a; wingless-type MMTV integration site family, member 3A; Wnt3a; Wnt-3a
Species	Human
Size	10µg/50µg/1mg
Tag	hFC Tag
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤100 EU/mg by the LAL method
Expression System	CHO
Expression Region	Ser19-Lys352 with a C-terminal linker GGGGGS and Human IgG1 (Asp104-Lys330)
pH	7.0-8.0
Appearance	White Powder or clear 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 induction of TopFlash reporter activity in CHO cells in the presence of 5 ng/mL BMP-2. The expected ED₅₀ is less than 30 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.