

CytoGrow™ Recombinant BMP-9 (Human)

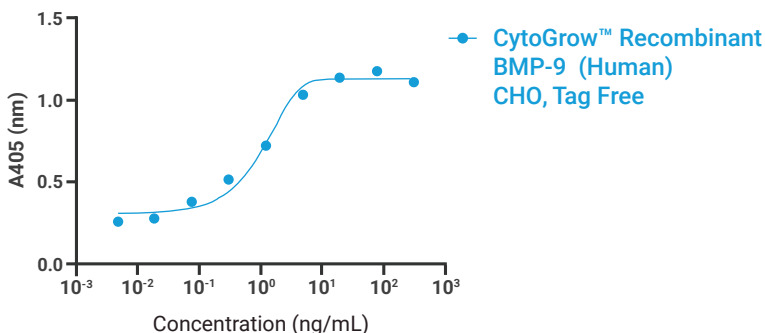
Catalog Numbers: CG008-A, CG008-B, CG008-C

Revision 1.0

Specifications

Synonym	
Species	Human
Size	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	HEK293
Expression Region	Ser320-Arg429
pH	7.0-8.0
Appearance	White Powder or clear liquid
Formulation	Lyophilized
Shipping	The product is shipped with blue ice
Reconstitution	It is 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



Biological activity is assessed based on the induction of alkaline phosphatase production in ATDC-5 cells. The expected ED₅₀ is less than 2.0 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.