

## CytoGrow™ Recombinant BMP-2 (Human)

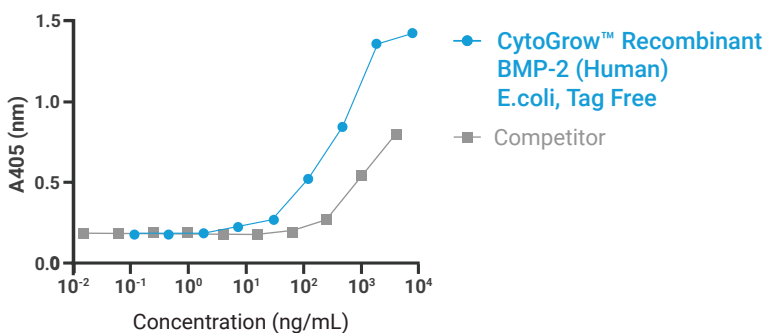
Catalog Numbers: CG006-A, CG006-B, CG006-C

Revision 1.0

### Specifications

Synonym	
Species	Human
Size	10µg/50µg/1mg
Tag	Tag free
Purity	≥ 95%
Endotoxin	≤100 EU/mg by the LAL method
Expression System	E. coli
Expression Region	Gln283-Arg396
pH	7.0-8.0
Appearance	White powder, Colorless clear liquid after reconstitution
Formulation	Lyophilized from a 0.2 µm filtered solution containing 0.1M Acetic acid, 5% Trehalose, pH 3.0
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 cell proliferation. The expected ED<sub>50</sub> is less than or equal to 2.0 ng/mL

### 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.