

Version 02

Update: 03/16/2022

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	BMP-2, Human
Cat. No.:	Z02913
Lot No.:	E2201012
Storage Condition:	Lyophilized recombinant human Bone Morphogenetic Protein-2 (rhBMP-2) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rhBMP-2 should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.

Quality Results

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	Conformed
Biological Activity(ED ₅₀)*	< 0.2 µg/ml	Conformed
Biological Activity(ED ₅₀ **)	< 0.1 µg/ml	Conformed
Molecular Weight	26 kDa (non-reducing)	Conformed
Bacterial Endotoxin	< 1 EU/µg	Conformed

* : Assay #1: Measured by its ability to induce alkaline phosphatase production by ATDC-5 Cells. The ED50 for this effect is typically < 0.2 µg/mL.

** : Assay #2: Measured by its ability to induce alkaline phosphatase production by C2C12 cells. The ED50 for this effect is typically <1 µg/mL.

Caution:

For laboratory use only. Not for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188

Certified by: *Dandan Yao*

Date: 03/16/2022

Quality Department

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.