

Recombinant Human BMP-7

Cat. No.:MGC007 size : 10 μ g / 50 μ g / 1mg

Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Human BMP-7 (Met316-His431) Accession # P18075
Predicted molecular mass	13.1 kDa (monomer)

Specification:

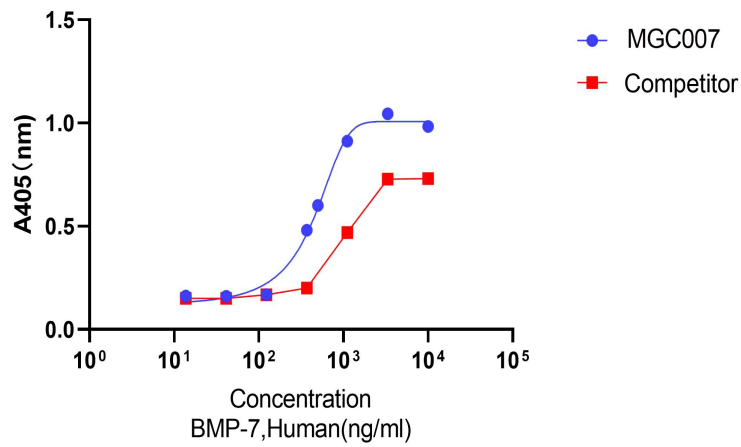
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	\geq 95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	\leq 0.01EU/ μ g by the LAL method
Activity	Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED ₅₀ for this effect is 0.02-0.04 μ g/ml.
Formulation	Lyophilized from a 0.22 μ m-filtered solution containing 0.085% TFA, 30% ACN,5% mannitol

Handling and Storage:

Reconstitution	It is recommended to redissolve in 4 mM HCl.
Shipping	Wet ice (seasonal)
Storage & Stability	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Data:

Bioactivity



Measured alkaline phosphatase production by ATDC-5 chondrogenic cells. The activity of MGC007 was higher than the other competing product.