

Recombinant Human BMP-2

Cat. No.:MGC005 size : 10 μ g / 50 μ g / 1mg

Characteristics:

Source	<i>E. coli</i>
Description	Human BMP2 (Gln283-Arg396) Accession # P12643
Predicted molecular mass	12.9kDa (monomer)

Specification:

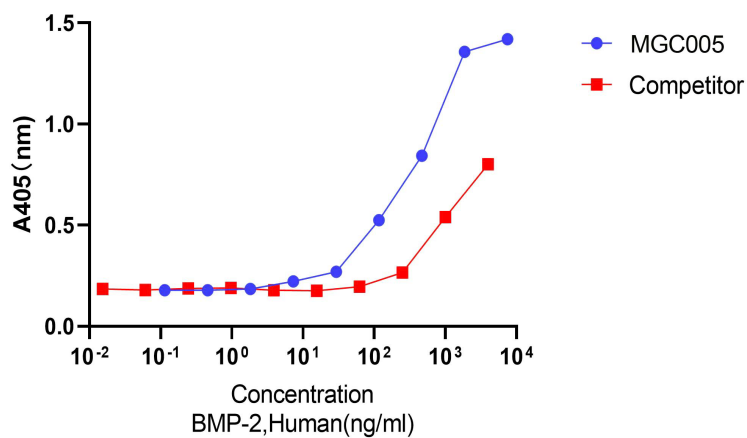
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	$\geq 95\%$, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤ 0.01 EU/ μ g by the LAL method
Activity	Measured alkaline phosphatase production by ATDC-5 chondrogenic cells. The ED ₅₀ is ≤ 0.5 μ g/ml
Formulation	Lyophilized from a 0.22 μ m-filtered solution containing 0.1M Acetic acid, 5% Trehalose, pH 3.0

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.