

Recombinant Human BMP-4

Cat. No.:MGC006 size : 10µg / 50µg / 1mg

Characteristics:

Source	<i>E.coli</i>
Description	Human BMP4(Ser293-Arg408)(Glu399Asp) Accession #P12644
Predicted molecular mass	13.1kDa

Specification:

Appearance	White powder, colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R)& Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤0.01EU/µg by the LAL method
Activity	Measured by its ability to induce alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED ₅₀ for this effect is < 300 ng/mL.
Formulation	Lyophilized from a 0.22 µm-filtered solution containing TFA,ACN,and Trehalose,pH 2.5

Handling and Storage:

Reconstitution	It is recommended to redissolve in 4mM 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.

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