

Active GMP Recombinant Human BMP2

Cat. No. BMP2-123H Lot. No. (See product label)

SPECIFICATION

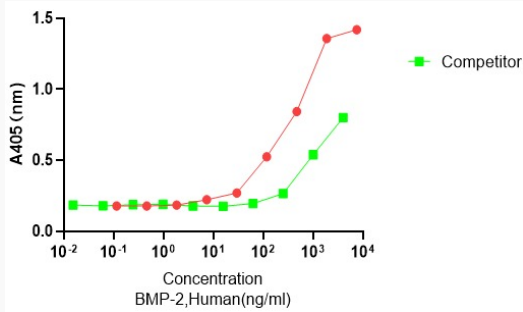
Product Overview	Active GMP Recombinant Human BMP2 was expressed in E.coli.
Species	Human
Source	E.coli
Form	Lyophilized from a 0.22 µm filtered solution containing 0.1M Acetic acid,5% Trehalose, pH 3.0.
Bio-activity	Measured by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED50 for this effect is <0.5 ug/ml.
Endotoxin	≤100 EU/mg by the LAL method
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Storage	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.
Reconstitution	It is recommended to redissolve in sterile deionized water.

GENE INFORMATION

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Gene Name	BMP2 bone morphogenetic protein 2 [Homo sapiens]
Official Symbol	BMP2
Synonyms	BMP2; bone morphogenetic protein 2; BMP2A; BMP-2A; bone morphogenetic protein 2A; BDA2;
Gene ID	650
mRNA Refseq	NM_001200
Protein Refseq	NP_001191
MIM	112261
UniProt ID	P12643
Activity	 The graph illustrates the activity of BMP-2, Human (ng/ml) on a logarithmic scale. The y-axis represents A405 (nm) from 0.0 to 1.5, and the x-axis represents the concentration of BMP-2, Human (ng/ml) from 10⁻² to 10⁴. Two data series are shown: a red line with circles and a green line with squares. Both series show a sharp increase in activity starting around 10¹ ng/ml, with the red series reaching a higher plateau than the green series.