

Active Recombinant Human BMP10

Cat. No. BMP10-1082H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP10 (Accession # O95393), fused with , was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Predicted N Terminal	Ser20 & Pro23
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit BMP-10-induced alkaline phosphatase production by MC3T3-E1 mouse preosteoblast cells. The ED50 for this effect is typically 0.75 - 3 µg/mL in the presence of 100 ng/mL of rhBMP-10.
Molecular Mass	Recombinant Human BMP10 has a calculated MW of 34.6 kDa. In SDS-PAGE migrates as 42-50 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

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Gene Name	BMP10 bone morphogenetic protein 10 [Homo sapiens]
Official Symbol	BMP10
Synonyms	BMP10; bone morphogenetic protein 10; MGC126783;
Gene ID	27302
mRNA Refseq	NM_014482
Protein Refseq	NP_055297
MIM	608748
UniProt ID	O95393
Chromosome Location	2p13.2

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