

Active Recombinant Human BMP10

Cat. No. BMP10-1081H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP10 (Accession # O95393) Asn317-Arg424, fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	Asn317-Arg424
Predicted N Terminal	Asn317
Form	Lyophilized from a 0.2 μ filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
Bio-activity	Measured by its ability to induce alkaline phosphatase production by MC3T3-E1 mouse preosteoblast cells.The ED50 for this effect is typically 15-60 ng/mL.
Molecular Mass	Recombinant Human BMP10 has a calculated MW of 12.2 kDa (monomer). In SDS-PAGE migrates as 13 kDa, reducing conditions.
Purity	>97%, 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).

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GENE INFORMATION

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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