

Active Recombinant Human BMP10

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

SPECIFICATION

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|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 µm 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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