

Recombinant Human BMP4 protein

Cat. No. BMP4-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP4 protein(P12644)(293-408 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	293-408 aa
Form	Lyophilized from a 0.2 μ filtered concentrated solution in 50 mM Na ₂ CO ₃ , 5 mM DTT, 5% Trehalose, 0.02% Tween 20, pH 11.0.
Molecular Mass	Approximately 13.3 kDa, a monomeric, non-glycosylated polypeptide chain containing 117 amino acids.
AASequence	MSPKHHSQRA RKKNKNCRRH SLYVDFSDVG WNDWIVAPPG YQAFYCHGDC PFPLADHLNS TNHAIVQTLV NSVNSSIPKA CCVPTELSAI SMLYLDEYDK VVLKNYQEMV VEGCGCR
Endotoxin	Less than 1 EU/g of rHuBMP-4 as determined by LAL method.
Purity	> 95% by SDS-PAGE.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after

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reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name [BMP4 bone morphogenetic protein 4 \[Homo sapiens \]](#)

Official Symbol [BMP4](#)

Synonyms BMP4; bone morphogenetic protein 4; BMP2B; BMP-4; BMP-2B; bone morphogenetic protein 2B; ZYME; OFC11; BMP2B1; MCOPS6;

Gene ID [652](#)

mRNA Refseq [NM_001202](#)

Protein Refseq [NP_001193](#)

MIM [112262](#)

UniProt ID [P12644](#)

SDS-PAGE

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