Active Recombinant Human BMP4 Protein(Ser293-Arg408, E399D)

Cat. No. BMP4-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human BMP4 Protein(P12644)(Ser293-Arg408, E399D) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser293-Arg408, E399D
Form	Lyophilized from sterile 30% Acetonitrile, 1/1000 TFA.
Bio-activity	Measured by its ability to induce alkaline phosphatase production by MC3T3-E1 mouse osteoblastic cells. The ED50 for this effect is typically 0.08-0.4ug/mL.
Molecular Mass	The recombinant Human BMP4 consists of 117 amino acids and predicts a molecular mass of 13.25 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA