

Active Recombinant Human/Mouse/Rat/Rhesus/Canine BMP2 protein(Gln283-Arg396), hFc-tagged

Cat. No. BMP2-16H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human / Mouse / Rat / rhesus / Canine BMP2 (NP_001191.1) (Gln 283-Arg 396) was expressed in HEK293, fused with the Fc region of Human IgG1 at the N-terminus. The mature form sequences of Human, Mouse, Rat, rhesus and Canine BMP2 are identical.
Species	Human/Mouse/Rat/Rhesus/Canine
Source	HEK293
ProteinLength	Gln283-Arg396
Form	Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind recombinant human BMPR-II-Fc in a functional ELISA.
Molecular Mass	The recombinant human / mouse / Rat / rhesus / Canine BMP2 consists of 351 amino acids and has a predicted molecular mass of 39.5 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE.

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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.

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 [BMP2 bone morphogenetic protein 2 \[Homo sapiens \]](#)

Official Symbol [BMP2](#)

Synonyms BMP2; bone morphogenetic protein 2; BMP2A; BMP-2A; bone morphogenetic protein 2A; BDA2;

Gene ID [650](#)

mRNA Refseq [NM_001200](#)

Protein Refseq [NP_001191](#)

MIM [112261](#)

UniProt ID [P12643](#)

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