

Active Recombinant Human/Mouse/Rat BMP2 Protein

Cat. No. BMP2-1119H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human/Mouse/Rat BMP2 Protein(NP_001191.1)(Ala284-Arg396) is expressed in E.coli.
Species	Human/Mouse/Rat
Source	E.coli
ProteinLength	284-396 aa
Form	Lyophilized from a 0.22 µm filtered solution of 0.1% TFA, 30% ACN. Contact us for customized product form or formulation.
Bio-activity	Measured by its ability to induce alkaline phosphatase production by ATDC5 mouse chondrogenic cells.The ED50 for this effect is 24.59-98.36 ng/mL, corresponding to a specific activity of $1.02 \times 10^4 \sim 4.07 \times 10^4$ units/mg.
Molecular Mass	12.78 kDa
Endotoxin	< 1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

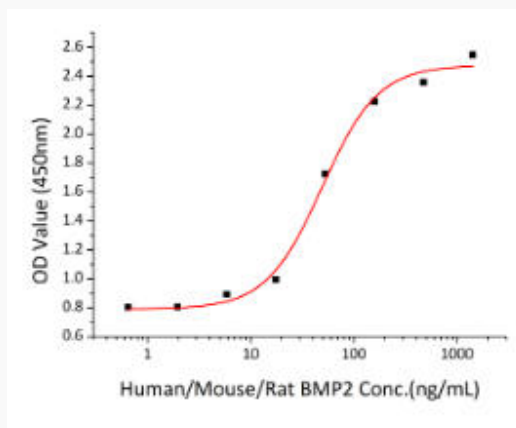
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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Activity



SDS-PAGE

