

Active Recombinant Human/Mouse/Rat BMP2 Protein

Cat. No. BMP2-136H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human/Mouse/Rat BMP2 Protein(P12643)(Gln283-Arg396) is expressed in E.coli.
Species	Human/Mouse/Rat
Source	E.coli
ProteinLength	283-396 aa
Form	Lyophilized from a 0.2 µm filtered solution of 10mM HAc-NH ₄ Ac, 4% D-Mannitol, pH 4.0.
Bio-activity	Determined by its ability to induce alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED50 for this effect is 40-120 ng/mL.
Molecular Mass	13.3 KDa
Endotoxin	< 0.01 EU/g as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.

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Reconstitution

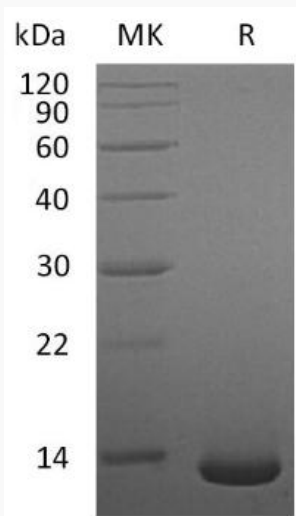
Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

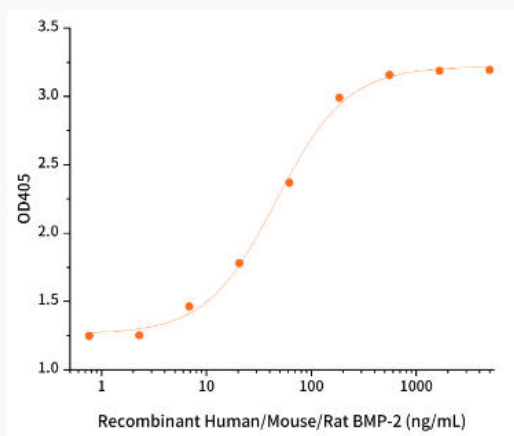
Gene Name	BMP2 bone morphogenetic protein 2 [Homo sapiens]
Official Symbol	BMP2
Synonyms	BMP2; bone morphogenetic protein 2; BMP2A; BMP-2A; bone morphogenetic protein 2A; BDA2;
Gene ID	650
mRNA Refseq	NM_001200
Protein Refseq	NP_001191
MIM	112261
UniProt ID	P12643

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SDS-PAGE



Cell Based Assay



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