

Active Recombinant Human BMP2 protein

Cat. No. BMP2-011H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP2 protein(Gln283~Arg396), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln283~Arg396
Tag	N-His
Form	Lyophilized from sterile PBS, pH7.4.
Bio-activity	Measured by its ability to induce alkaline phosphatase production by ATDC5 mouse chondrogenic cells.
Molecular Mass	The protein has a calculated MW of 14.2 kDa.
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 90 % as determined by SDS-PAGE.
Storage	Store it under sterile conditions at -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution Reconstitute in 10mM PBS (pH7.4) to a concentration of 1.0 mg/mL. Centrifuge the vial at 4°C before opening to recover the entire contents.

AA Sequence MGHHHHHHSGSEFQAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHAF
YCHGECPPFLADHLNSTNHAIVQTLVNSVNSKIPKACCVPTELSAISMLYLDENEKVV
LKNYQDMVVEGCGCR

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](#)

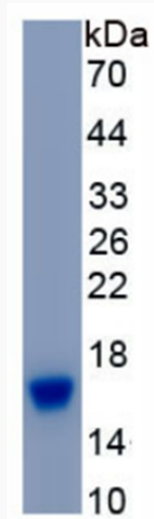
UniProt ID [P12643](#)

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SDS-PAGE



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