

Active Recombinant Human BMP2 Protein

Cat. No. BMP2-398H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP2 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	preferably desiccated. Upon reconstitution
Form	Sterile Filtered White lyophil
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by inducing alkaline phosphatase production of murine ATDC5 cells is less than 200 ng/mL, corresponding to a specific activity of $> 5.0 \times 10^3$ IU/mg.
Molecular Mass	Approximately 26.0 kDa
AA Sequence	MQAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHAFYCHGECPFPLADH LNSTNHAIVQTLVNSVNSKIPKACCVPTELSAISMLYLDENEKVV LKNYQDMVVEGC GCR
Endotoxin	Less than 1 EU/ μ g of rHuBMP-2 as determined by LAL method.
Purity	$> 95\%$ by SDS-PAGE and HPLC analyses.
Storage	At -20 centigrade for long term storage, the preparation is stable for up to one week at

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2-8 centigrade.

Storage Buffer

Lyophilized from a 0.2 µm filtered concentrated solution containing 10 mM sodium citrate pH 3.5.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled H₂O to a concentration of 0.1-1.0 mg/mL.

GENE INFORMATION

Gene Name

BMP2 bone morphogenetic protein 2 [Homo sapiens (human)]

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

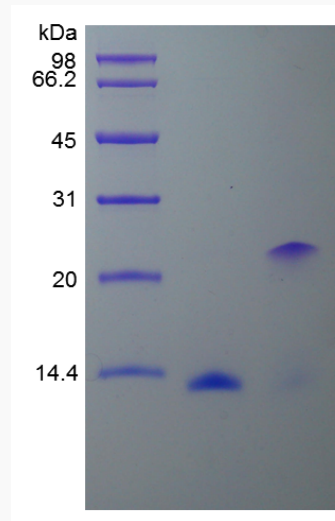
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SDS-PAGE



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