

Recombinant Rat Bmp2 protein, His-tagged

Cat. No. Bmp2-565R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Bmp2 (P49001) aa. (Ser49~Ile243) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ser49~Ile243
Description	Involved in cellular signaling during limb development; induces bone formation.
Form	Freeze-dried powder
Molecular Mass	26kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 90%
Characteristic	The isoelectric point is 7.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; ReporterAssays; Purification; Amine Reactive Labeling.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Concentration

200g/mL

Storage buffer

PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.

Reconstitution

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

[Bmp2 bone morphogenetic protein 2 \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol

[Bmp2](#)

Synonyms

Bmp2; bone morphogenetic protein 2; BMP-2; BMP-2A; bone morphogenetic protein 2A

Gene ID

[29373](#)

mRNA Refseq

[NM_017178.1](#)

Protein Refseq

[NP_058874.1](#)

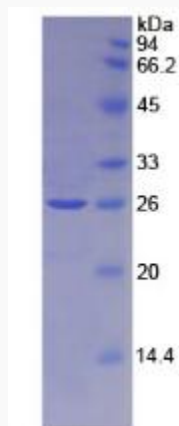
UniProt ID

[P49001](#)

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SDS-PAGE

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