

Bone Morphogenetic Protein 2 (BMP2) Recombinant Protein | BMP2 recombinant protein

Recombinant Bone Morphogenetic Protein 2 (BMP2)

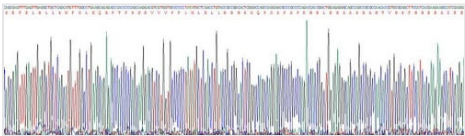
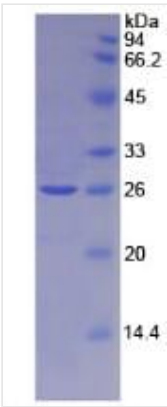
CATALOG # AAA134522	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Bone Morphogenetic Protein 2 (BMP2); Recombinant Bone Morphogenetic Protein 2 (BMP2); BMP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for BMP2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Rattus norvegicus (Rat)
Source	Prokaryotic expression
Residues	Ser49~Ile243
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	7.0
Usage	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree 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.



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

SE

FELRLLSMFG LKQRPTPSKD VVPPPYMLDL YRRHSGQPGA LAPDHLERA
ASRANTVLSF HHEEAIEELS EMSGKTSRRF FFNLSSVPTD EFLTSAELQI
FREQMGEALG NSSFQHRINI YEIIKPATAS SKFPVTRLDD TRLVQTNTSQ
WESFDVTPAV MRWTAQGHTN HGFVVEVAHL EEKPGVSKRH VRI

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	8392990
NCBI GeneID	29373
NCBI Accession #	NP_058874.1
NCBI GenBank Nucleotide #	NM_017178.1
UniProt Accession #	P49001
Molecular Weight	Predicted Molecular Mass: 23.6kDa Accurate Molecular Mass: 26kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	bone morphogenetic protein 2
NCBI Official Synonym Full Names	bone morphogenetic protein 2
NCBI Official Symbol	Bmp2
NCBI Protein Information	bone morphogenetic protein 2; BMP-2; BMP-2A; bone morphogenetic protein 2A
UniProt Protein Name	Bone morphogenetic protein 2
UniProt Gene Name	Bmp2
UniProt Synonym Gene Names	Bmp-2; BMP-2; BMP-2A
UniProt Entry Name	BMP2_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.