

Bone Morphogenetic Protein 2 Active Protein | BMP2 active protein

Active Bone Morphogenetic Protein 2 (BMP2)

CATALOG #
AAA150048

APPLICATIONS
Activity Assay, Cell Culture

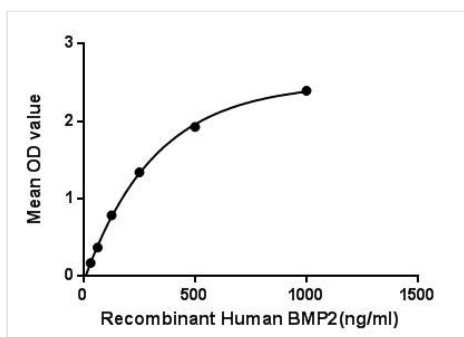
PRODUCT SYNONYMS

Bone Morphogenetic Protein 2; Active Bone Morphogenetic Protein 2 (BMP2); BMP2A; BMP-2A; Hemochromatosis Modifier; BMP2 active protein

PRODUCT SPECIFICATIONS

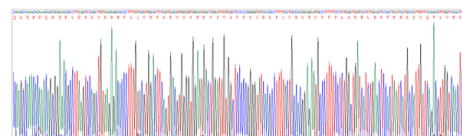
Purity/Purification	>97%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence Positions	Gln283~Arg396
Sequence Length	396
Applicable Applications for BMP2 active protein	Activity Assay, Cell Culture
Species	Human
Tag	N-terminal His and GST Tag
Isoelectric Point	7.3
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. Stability: 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.

IMAGES



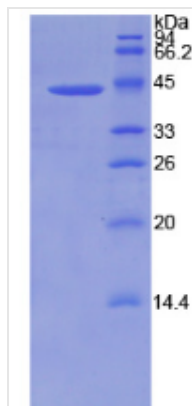
Bioactivity

Figure 1. The binding activity of BMP2 with NOG.



Gene Sequence

Figure. Gene Sequencing (Extract)



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for BMP2 active protein	Developmental science; Bone metabolism
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115068
NCBI GeneID	650
UniProt Accession #	P12643
Molecular Weight	Predicted Molecular Mass: 42.9kDa Accurate Molecular Mass: 43kDa
NCBI Official Full Name	Bone morphogenetic protein 2
NCBI Official Synonym Full Names	bone morphogenetic protein 2
NCBI Official Symbol	BMP2
NCBI Official Synonym Symbols	BDA2; BMP2A; SSFSC
NCBI Protein Information	bone morphogenetic protein 2
UniProt Protein Name	Bone morphogenetic protein 2
UniProt Gene Name	BMP2
UniProt Synonym Gene Names	BMP2A; BMP-2; BMP-2A
UniProt Entry Name	BMP2_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/bmp2-active-protein/bone-morphogenetic-protein-2/150048>