

Bone morphogenetic protein 2 protein (BMP2) Active Protein | BMP2 active protein

Recombinant Human Bone morphogenetic protein 2 protein (BMP2) (Active)

CATALOG #
AAA114247

HOST
E Coli

PRODUCT SYNONYMS

Bone morphogenetic protein 2 protein (BMP2); Recombinant Human Bone morphogenetic protein 2 protein (BMP2) (Active); BMP-2; BMP-2A; BMP2 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized
Sequence Positions	283-396aa
Sequence	M+QAKHKQRK RLKSSCKRHP LYVDFSDVGW NDWIVAPPGY HAFYCHGECF FPLADHLNST NHAIVQTLVN SVNSKIPKAC CVPTELSAIS MLYLDENEKV VLKNYQDMVV EGCGR
Sequence Length	396
Species	Homo sapiens (Human)
Biological 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.
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Protein Note	Protein will be provided with aseptic processing and endotoxin removal.
Preparation and Storage	Generally, the shelf life of liquid form is 6 months at -20/-80 degree C. The shelf life of lyophilized form is 12 months at -20/-80 degree C.

ADDITIONAL INFORMATION

Related Product Information for BMP2 active protein	Induces cartilage and bone formation.
Product Categories/Family for BMP2 active protein	Biological Active Protein ; Cancer ; Growth Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557369
NCBI GeneID	650
NCBI Accession #	NP_001191.1
NCBI GenBank Nucleotide #	NM_001200.3
UniProt Accession #	P12643
Molecular Weight	26.0 kDa
NCBI Official Full Name	bone morphogenetic protein 2 preproprotein

NCBI Official Synonym Full Names	bone morphogenetic protein 2
NCBI Official Symbol	BMP2
NCBI Official Synonym Symbols	BDA2; BMP2A
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

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/e-coli-active-protein/bone-morphogenetic-protein-2-protein-bmp2/114247>