

BMP6 active protein

BMP6 protein

CATALOG #
AAA75597HOST
Human

PRODUCT SYNONYMS

BMP6; BMP6 protein; BMP 6 protein; VGR protein; Bone Morphogenetic protein 6 protein; BMP-6; BMP-6 protein; BMP 6; BMP6 active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 95% pure
Form/Format	Lyophilized from 10mM Tris, pH 9.0. Reconstitute in water to a concentration of 0.1-1.0 mg/ml.
Sequence	Region of BMP6 protein corresponds to amino acids VSSASD YNSSELKTAC RKHELYVSFQ DLGWQDWIIA PKGYAANYCD GECSFPLNAH MNATNHAIVQ TLVHLMNPEY VPKPCCAPTK LNAISVLYFD DNSNVILKKY RNMVVRACG H.
Sequence Length	5
Protein Type	Recombinant
Biological Significance	TGF beta family members are key modulators of cell proliferation, differentiation, matrix synthesis, and apoptosis. As implied by their name, BMPs initiate, promote, and regulate the development, growth and remodeling of bone and cartilage. In addition to this role, BMPs are also involved in prenatal development and postnatal growth, remodeling and maintenance of a variety of other tissues and organs. Increasing evidence indicates that BMP-Smad signaling has a tumor suppressing activity and that BMPs can inhibit tumor growth. BMP-6 is abnormally expressed in breast cancer cell lines; however, its function in promoting breast cancer development is unknown.
Bioactivity	Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED50 for this effect is 0.03-0.06 ug/ml.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Expression System	HEK cells
Preparation and Storage	Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for BMP6 active protein	Purified recombinant Human BMP6 protein
Product Categories/Family for BMP6 active protein	Differentiation & Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	3492993
NCBI GeneID	654
UniProt Accession #	P22004; Q5TCP3

Molecular Weight	26.2 kDa
NCBI Official Full Name	bone morphogenetic protein 6, partial
NCBI Official Synonym Full Names	bone morphogenetic protein 6
NCBI Official Symbol	BMP6
NCBI Official Synonym Symbols	VGR; VGR1
NCBI Protein Information	bone morphogenetic protein 6
UniProt Protein Name	Bone morphogenetic protein 6
UniProt Gene Name	BMP6
UniProt Synonym Gene Names	VGR; BMP-6; VG-1-R; VGR-1
UniProt Entry Name	BMP6_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/human-active-protein/bmp6/75597>