

Active Recombinant Human BMP6 Protein (Val397-His513), C-His tagged, Animal-free, Carrier-free

Cat. No. BMP6-281H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMP6 Protein (Val397-His513) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Val397-His513
Description	Bone Morphogenetic Protein-6 (BMP-6) is an extracellular multifunctional cytokine that is also a member of the TGF- β family. BMP-6 can bind with the TGF- β receptor and triggers SMAD protein signal transduction. It can keep joint integrity and stability in adults and plays a vital role in regulating hepcidin to maintain iron ions in the body.
Form	Lyophilized
Bio-activity	Measure by its ability to induce alkaline phosphatase production by ATDC5 cells. The ED50 for this effect is < 87 ng/mL.
Molecular Mass	The protein has a calculated MW of 14.07 kDa. The protein migrates as 13 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/ μ g of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution containing PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	BMP6 bone morphogenetic protein 6 [Homo sapiens (human)]
Official Symbol	BMP6
Synonyms	BMP6; bone morphogenetic protein 6; vegetal related growth factor (TGFB related) , VGR; VGR1; BMP-6; VGR-1; VG-1-R; VG-1-related protein; Vg1-related sequence; vegetal-related (TGFB related) cytokine; vegetal related growth factor (TGFB-related); VGR;
Gene ID	654
mRNA Refseq	NM_001718

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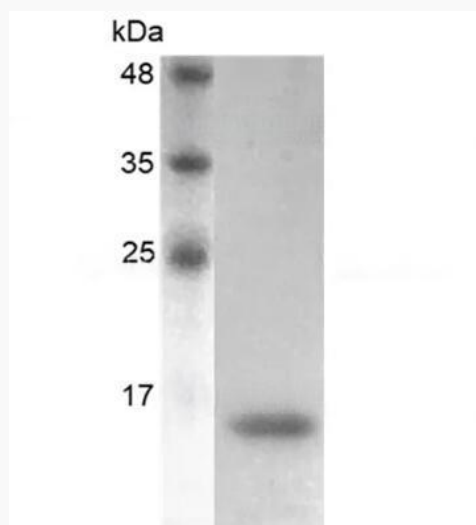
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Protein Refseq NP_001709

MIM 112266

UniProt ID P22004

**SDS-PAGE analysis
of recombinant
human BMP-6.**



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