

Recombinant Human BMP6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BMP6-5977H Lot. No. (See product label)

SPECIFICATION

Product Overview	BMP6 MS Standard C13 and N15-labeled recombinant protein (NP_001709) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein regulates a wide range of biological processes including iron homeostasis, fat and bone development, and ovulation. Differential expression of this gene may be associated with progression of breast and prostate cancer. Mutations in this gene may be associated with iron overload in human patients.
Molecular Mass	57 kDa
AA Sequence	MPGLGRRRAQWLCWWWGLLCSCCGPPPLRPPLPAAAAAAGGQLLDGGSPGRTEQPPSPQSSSGFLYRRLKTQEKREMQKEILSVLGLPHRPRPLHGLQQPQPALRQ QEEQQQQQLPRGEPGRLKSAPLFMLDLYNALSADNDEDGASEGERQQSWPH EAASSQRRQPPPGAHPLNRKSLAPGSGSGGASPLTSAQDSAFLNDADMVMSF

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VNLVEYDKEFSPRQRHHKEFKFNLSQIPEGEVVTAAEFRIYKDCVMGSFKNQTFLLISI
 YQVLQEHQHRDSDLFLLDTRVWVWASEEGWLEFDITATSNLWVVTQHNMGLQLSV
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 NRSTQSQDVARVSSASDYNSSSELKTACRKHLYVVSFQDLGWQDWIIAPKGYAANYC
 DGECSFPLNAHMNATNHAIQTLVHLMNPEYVPKPCCAPTKLNAISVLYFDDNSNVIL
 KKYRNMVVRACGCHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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

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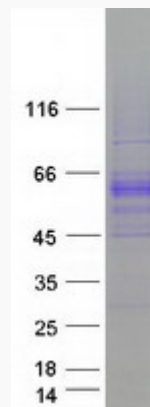
mRNA Refseq [NM_001718](#)

Protein Refseq [NP_001709](#)

MIM [112266](#)

UniProt ID [P22004](#)

SDS-PAGE



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