PRODUCT INFORMATION

Target	BMP6
Synonyms	VGR;VGR1
Description	Recombinant human BMP6 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P22004
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	BMP6(Cys21-His513) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 55.6 kDa after removal of the signal peptide. The apparent molecular mass of BMP6-His is approximately 40-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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. [provided by RefSeq, Jul 2016]
Usage	Research use only
Conjugate	Unconjugated

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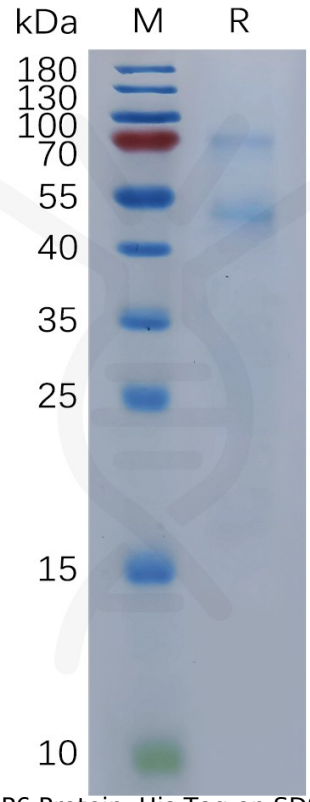


Figure 1. Human BMP6 Protein, His Tag on SDS-PAGE under reducing condition.

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