

## Bone Morphogenetic protein-6 Human Recombinant, Hek

<b>Item Number</b>	rAP-0370
<b>Synonyms</b>	Bone morphogenetic protein 6, BMP-6, VG-1-related protein, VG-1-R, VGR-1, BMP6, VGR, VGR1.
<b>Description</b>	BMP-6 Human Recombinant produced in HEK cells is a glycosylated disulfide linked homodimer of two 139 amino acid polypeptide chains; each monomer is expressed as the C-terminal part of a precursor polypeptide, which contains a 20 amino acid signal peptide and a 354 amino acid propeptide. The BMP-6 which has
<b>Uniprot Accession Number</b>	P22004
<b>Amino Acid Sequence</b>	VSSASDYNSS ELKTACRKHE LYVSFQDLGW QDWIAPKGY AANYCDGECS FPLNAHMNATNHAIVQTLVH LMNPEYVPKP CCAPTCLNAI SVLYFDDNSN VILKKYRNMV VRACGCH.
<b>Source</b>	HEK.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized BMP-6 although stable at room temperature for 3 weeks, should be stored desiccated below -18&deg;C. Upon reconstitution BMP-6 should be stored at 4&deg;C between 2-7 days and for future use below -18&deg;C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.&nbsp;
<b>Formulation and Purity</b>	The BMP-6 was lyophilized from 10mM Tris, pH 9.0 . Greater than 95.0% as determined by analysis by SDS-PAGE and HPLC analysis.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized BMP-6 in sterile 18M&Omega;-cm H2O not less than 100&micro;g/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED50 as determined by its ability to induce alkaline phosphatase production in the ATDC-5 cell line is typically 0.03-0.06 &mu;g/ml.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**