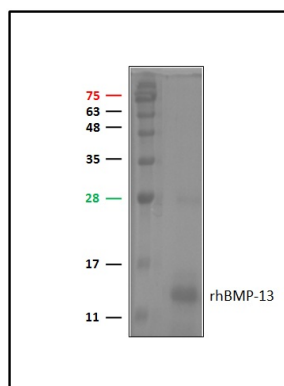


GDF6

Recombinant Human Bone Morphogenetic Protein-13

Catalog No.	CRB103A CRB103B CRB103C	Quantity:	10 µg 50 µg 1.0 mg
Alternate Names:	Bone Morphogenetic Protein-13, CDMP-2		
Description:	BMPs (bone morphogenetic proteins) belong to the TGF- β superfamily of structurally related signaling proteins. These ligands mediate numerous physiological processes. BMPs initiate, promote and maintain cartilage and bone development, growth, remodeling and repair, in both prenatal development and postnatal growth of eye, heart, kidney, skin, and other tissues. Expression of BMP-13 has been found in the hypertrophic chondrocytes of ossifying long bone centers. Recombinant human BMP-13/CDMP-2 is a 27 kDa homodimeric disulfide-linked protein consisting of two 120 amino acids polypeptide chains.		
Source:	<i>E. coli</i>		
Molecular Weight:	27.0 kDa		
Formulation:	Lyophilized without additives.		
Purity:	>95% as determined by SDS-PAGE analysis.		
Endotoxin Level:	<0.1 ng per µg of BMP-13.		
Biological Activity:	Determined by its ability to induce alkaline phosphatase production by ATDC-5 chondrogenic cells is in the range of 2-3 µg/ml.		
Reconstitution:	Centrifuge vial prior to opening. The human BMP-13 should be reconstituted in water containing BSA (50 µg BSA per 1 µg protein) to a concentration of 0.1-1.0 mg/ml. This solution can be diluted in water or other buffer solutions and stored for 1 week at 2-4°C or at -20°C for future use. Note: Due to solubility reasons, the protein should be kept at a low pH.		
Storage & Stability:	The lyophilized protein is best stored desiccated below 0°C. Reconstituted protein should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.		



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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