


## Human BMP-13 Protein

Cat #: PRP1043

Size: 10 µg/50 µg/500 µg

### Product Information

	<b>Product Name:</b> Human BMP-13 protein		
<b>REF</b>	<b>Catalog Number:</b> PRP1043	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> >96% as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E. coli
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** Bone morphogenetic protein (BMP) also known as growth differentiation factor, which belongs to the transforming growth factor beta (TGF-beta) superfamily. These factors are produced as inactive preproteins which are subsequently cleaved and assembled into active secreted homodimers. BMP-13 has a central role in regulating apoptosis during retinal development, and also controls proliferation and cellular differentiation in the retina and bone formation. The recombinant human BMP-13 is a 13.5 kDa protein consisting of 120 amino acids polypeptide chains under reducing conditions.

**Sequence:** Amino acid sequence derived from Human BMP-13 (NP\_001001557.1) (Thr335-Arg454) was expressed.

**Protein length:** The recombinant Human BMP-13 consists of 120 amino acids and predicts a molecular mass of 13.5 kDa.

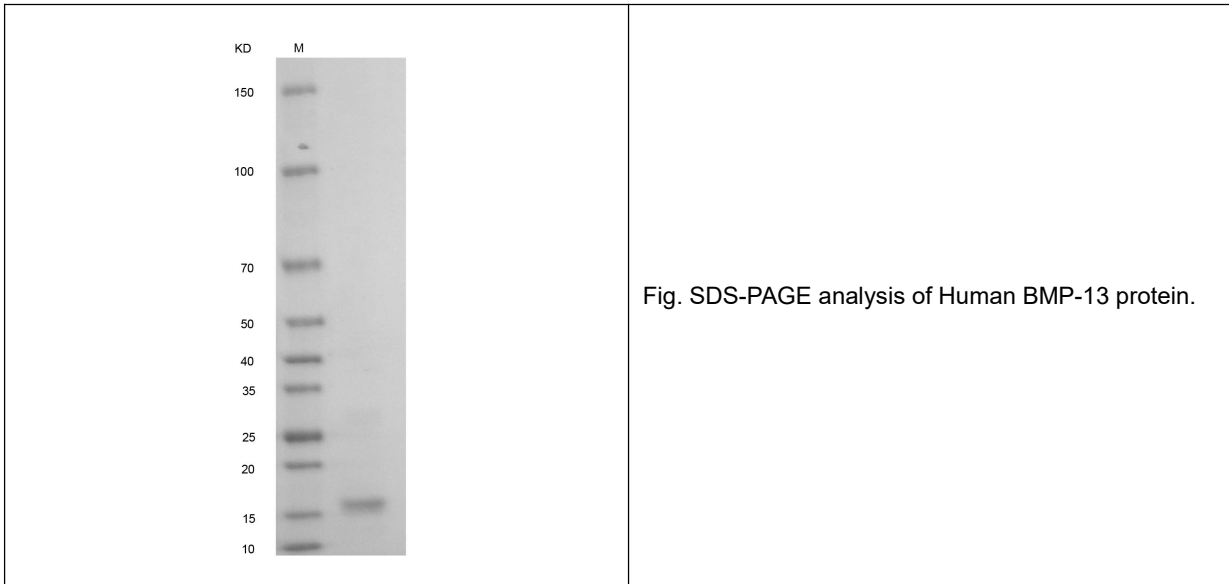
**Biological Activity:** Testing in progress.

**Endotoxin:** < 1 EU per µg of the protein as determined by the LAL method.

**Formulation:** Lyophilized from sterile 20mM Tris, 50mM NaCl, pH 7.0.

**Storage Instructions:** Lyophilized recombinant Human BMP-13 protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant Human BMP-13 protein using the buffer we provided not less than 100µg/ml, which can then be further diluted to other aqueous solutions.



**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.