

Human/Mouse BMP-2 Protein

Cat #: PRP1076

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human/Mouse BMP-2 Protein		
REF	Catalog Number: PRP1076	LOT	Lot Number: Refer to product label
	Purity: >95 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E. coli
	Shipping: The product is shipped at ambient temperature.		

Background: Bone morphogenetic protein-2 (BMP-2) is a kind of bone growth regulator, belonging to protein transforming growth factor- β (TGF- β) superfamily. BMP-2 protein is involved in hedgehog pathway, TGF- β signaling pathway and cytokine-cytokine receptor interaction. BMP-2 and BMP-7 are osteogenic BMP, which have been proved to be effective in inducing osteoblast differentiation in many cell types. The active form of BMP-2 can be composed of dimers of two identical proteins or heterodimers of two related bone morphogenetic proteins.

Sequence: Amino acid sequence derived from Human/Mouse BMP-2 (Gln283-Arg396) (P21274.3) was expressed.

Protein length: The recombinant Human/Mouse BMP-2 consists of 114 amino acids and predicts a molecular mass of 13 kDa.

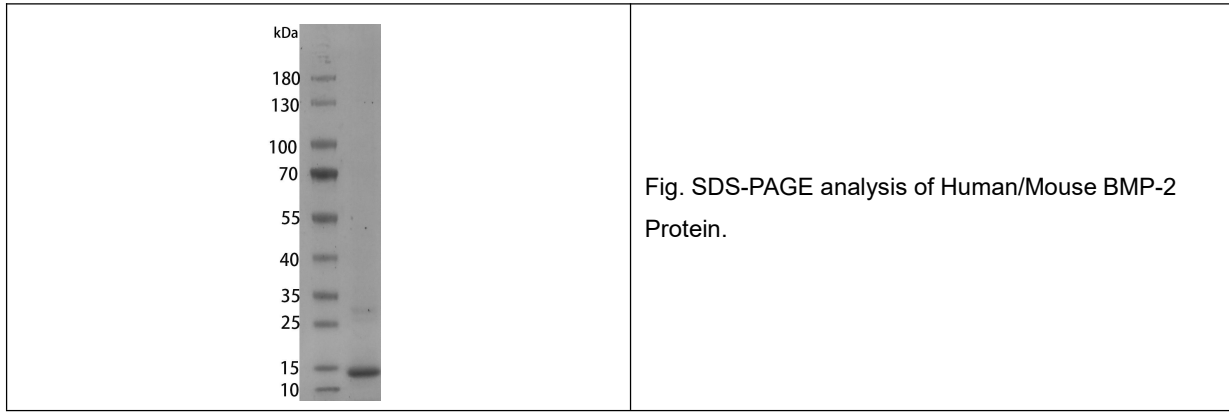
Biological Activity: Testing in progress.

Endotoxin: Please contact us for more information.

Formulation: Lyophilized from sterile 20mM Tris, 50 mM NaCl, pH 8.0.

Storage Instructions: Lyophilized 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 protein using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.



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