

Human BMP15 Protein, His tag

Cat #: PRP1231

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human BMP15 Protein, His tag		
REF	Catalog Number: PRP1231	LOT	Lot Number: Refer to product label
	Purity: > 98 % 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 15 (BMP-15), also known as GDF-9B, is a TGF- β superfamily ligand that is expressed by oocytes throughout folliculogenesis, and plays an important role in oocyte development. BMP-15 promotes the FSH-independent proliferation of ovarian granulosa cells (GC) and induces GC glycolysis and cholesterol synthesis. It also induces GC production of stem cell factor which, in turn, negatively regulates BMP-15 expression in oocytes. BMP-15 blocks the FS-induced GC expression of FSH R and multiple steroidogenic molecules.

Sequence: Amino acid sequence derived from Human BMP15 (Gln268-Arg392) (O95972) was expressed.

Protein length: The recombinant Human BMP15 Protein consists of 125 amino acids and predicts a molecular mass of 14.07 kDa. After fusion TrxA, it predicts a molecular mass of 34.1 kDa.

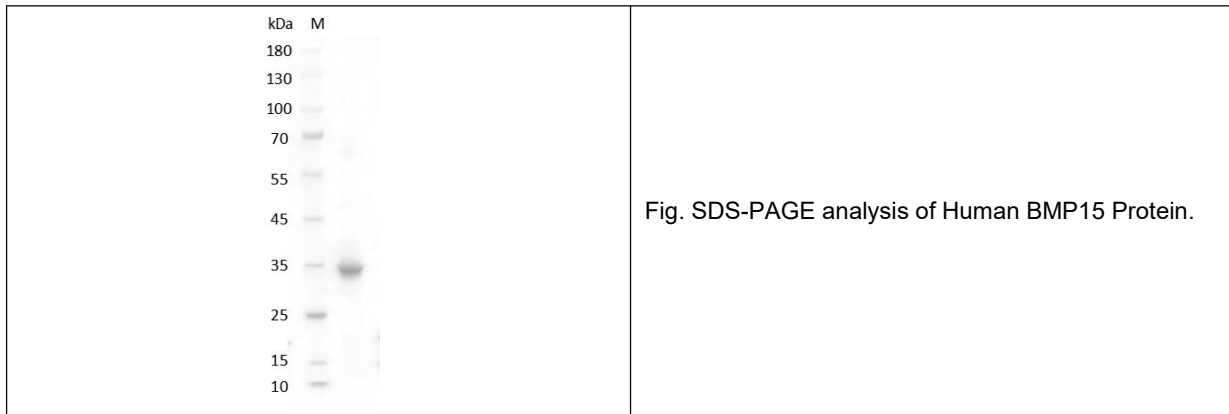
Biological Activity: Testing in Progress.

Endotoxin: <0.1 EU per µg of the protein by the LAL method.

Formulation: Lyophilized from sterile 20 mM Tris, 50 mM NaCl, pH8.0.

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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