

Datasheet for ABIN987784 **BMP7 Protein**



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Overview

Quantity:	1 mg
Target:	BMP7
Origin:	Human
Source:	Escherichia coli (E. coli)

Product Details

Purity:	> 95 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/μg of rHuBMP-7 as determined by LAL method

Target Details

Target:	BMP7
Alternative Name:	Bone Morphogenetic Protein-7 (BMP-7) (BMP7 Products)
Background:	<p>Human BMP-7 is one of at least 15 structurally and functionally related BMPs, which are members of the transforming growth factor beta (TGF-beta) superfamily. BMPs were originally identified as protein regulators of cartilage and bone formation. However, they have since been shown to be involved in embryogenesis and morphogenesis of various tissues and organs. BMPs have also been shown to regulate the growth, differentiation, chemotaxis and apoptosis of various cell types, including mesenchymal cells, epithelial cells, hematopoietic cells and neuronal cells. BMP-7 is synthesized as large precursor molecules which are cleaved by proteolytic enzymes. The active form can consist of a dimer of two identical proteins or a heterodimer of two related bone morphogenetic proteins. Synonym: Bone Morphogenetic Protein-7 (BMP-7), Human. Formulation: Lyophilized from a 0.2μm filtered concentrated</p>

Target Details

	solution in 30% acetonitrile, 0.1% TFA.
Molecular Weight:	Approximately 15.6 kDa, a monomeric, non-glycosylated polypeptide chain containing 139 amino acids.
Pathways:	Steroid Hormone Mediated Signaling Pathway , Stem Cell Maintenance

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 10mM HAc to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at Applications 1. Molecular standard (Western, ELISA) in studying secreted BMP-7,2. Preparing antibodies for BMP-7 monomer, 3. Molecule standard in detecting secreted BMP-7 in reduced SDS-PAGE.
Storage:	4 °C