

## Recombinant Human BMP-6 Protein

Catalog Number: PROTP22004-2

### Overview

Product Name	Recombinant Human BMP-6 Protein
Description	TGF-beta family members are key modulators of cell proliferation, differentiation, matrix synthesis, and apoptosis. As implied by their name, BMPs initiate, promote, and regulate the development, growth and remodeling of bone and cartilage. In addition to this role, BMPs are also involved in prenatal development and postnatal growth, remodeling and maintenance of a variety of other tissues and organs. Increasing evidence indicates that BMP-Smad signaling has a tumor suppressing activity and that BMPs can inhibit tumor growth. BMP-6 is abnormally expressed in breast cancer cell lines; however, its function in promoting breast cancer development is unknown. Recombinant human BMP-6 is a 26.2 kDa homodimeric glycoprotein consisting of two 117 amino acid subunits, which correspond to amino acid residues 397 to 513 of the full-length BMP-6 precursor.
Size	Various Sizes
Tag	
Form	Solid; white powder or thin/invisible film
Source	HEK293 cells
Formulation	Protein concentration verified by UV Spectroscopy and/or SDS-PAGE gel.

### Concentration

### Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

### Purity

### Biological Activity And Protein Authenticity

Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected **ED**<sub>50</sub> this effect is 0.03-0.06 µg/ml.

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## Usage

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