

Recombinant Human BMP-3
Catalog # PBG10042**Specification**

Recombinant Human BMP-3 - Product Information**Recombinant Human BMP-3 - Additional Information****Description**

TGF- β 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. BMP-3 is abundantly found in adult bone, and to a lesser extent fetal cartilage. BMP-3 inhibits osteogenesis and bone formation by activating a signaling cascade that antagonizes the signaling of pro-osteogenic BMPs. Recombinant human BMP-3 is a disulfide linked homodimeric protein that corresponds to residues 361 to 472 of the 472 amino acid BMP-3 precursor protein.

Biological Activity

Determined by its ability to inhibit BMP-2-induced alkaline phosphatase production by ATDC-5 cells.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ μ g of protein (<1EU/ μ g).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human BMP-3 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human BMP-3 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Recombinant Human BMP-3 - Images