

BMP-3A

Catalog # PVGS1350

Specification

BMP-3A - Product Information

Primary Accession
Species
Human

P55107

Sequence

MQWDEPRVCS RRYLKVDFAD IGWNEWIISP KSFDAYYCAG ACEFPMPKIV RPSNHATIQS IVRAVGIIPG IPEPCCVPDK MNSLGVLFLD ENRNVVLKVY PNMSVDTCAC R

Purity

> 95% as analyzed by SDS-PAGE and HPLC.

Endotoxin Level

< 0.2 EU/ μg, determined by LAL method.

Formulation

Lyophilized after extensive dialysis against 4mM HCl.

Reconstitution

Reconstituted in 4mM HCl at 100 µg/mL.

BMP-3A - Additional Information

Gene ID 2662

Other Names

Growth/differentiation factor 10, GDF-10, Bone morphogenetic protein 3B, BMP-3B, Bone-inducing protein, BIP, GDF10 (HGNC:4215), BMP3B

Target Background



BMP-3A - Protein Information

Name GDF10 (HGNC:4215)

Synonyms BMP3B

Function

Growth factor involved in osteogenesis and adipogenesis. Plays an inhibitory role in the process of osteoblast differentiation via SMAD2/3 pathway. Plays an inhibitory role in the process of adipogenesis.

Cellular Location

Secreted {ECO:0000250|UniProtKB:P97737}.

Tissue Location

Expressed in femur, brain, lung, skeletal muscle, pancreas and testis.

BMP-3A - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BMP-3A - Images