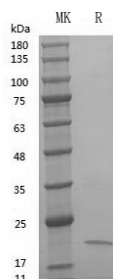


Product Name: Recombinant Human BMP-7
Catalog #: PCH2502

Summary

Name	BMP-7
Purity	Greater than 98% as determined by reducing SDS-PAGE
Endotoxin level	≤10 EU/mg
Construction	Recombinant Human BMP-7 is produced by our Mammalian cell expression system and the target gene encoding Met316-His431 is expressed.
Accession #	P18075
Host	Human Cells
Species	Human
Predicted Molecular Mass	13.1 kDa
Formulation	Lyophilized From PBS,pH 7.4
Shipping	The product is shipped on dry ice/polar packs.Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt.Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening.Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100µg/ml.Dissolve the lyophilized protein in distilled water.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

Product Name: Recombinant Human BMP-7
Catalog #: PCH2502



Alternative Names

Bone morphogenetic protein 7; BMP-7; Osteogenic protein 1 (OP-1); Eptotermin alfa; BMP7; OP1

Background

Bone morphogenetic protein 7 (BMP7), also known as osteogenic protein-1 (OP-1) is a member of Transforming growth factor- β (TGF- β) family of proteins. Bone morphogenetic proteins were discovered in 1965 by Marshal Urist, of which BMP7 is of particular interest in this review being a leptin-independent anorexigen and having role in energy expenditure in the brown adipose tissue, which makes it a potential target for preventing/treating obesity. As it has been established that Obesity displays a state of leptin-resistance, thus a protein-like BMP7 which acts through a leptin-independent pathway could give new therapeutic directions.

Note

For Research Use Only , Not for Diagnostic Use.