Product Name: Recombinant Human BMP-7
Catalog #: PHH2468

Summary

Name	BMP-7
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Bone morphogenetic protein 7 is produced by our Mammalian expression system and the target gene encoding Ser293-His431 is expressed.
Accession #	P18075
Host	Human Cells
Species	Human
Predicted Molecular Mass	15.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 100mM NaCl, 5% Mannitol,0.05% Tween80, pH7.5.
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	0.00.0

SDS-PAGE image

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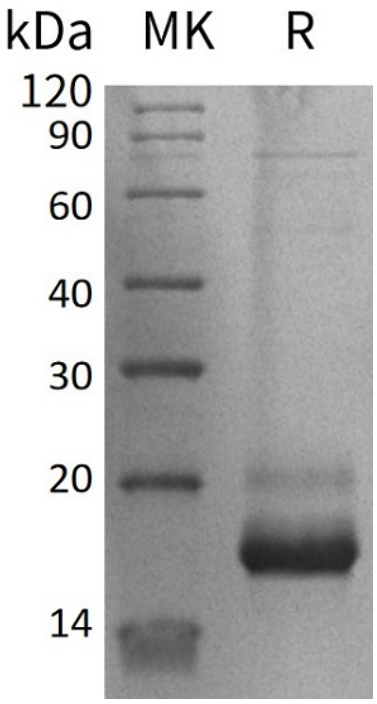

Alternative Names

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 anorexinogen 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.