

Recombinant Human BMP-8b protein(His Tag)

Catalog No. PKSH034135

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	OP-2 (Osteogenic Protein-2);BMP8
Species	Human
Expression Host	E.coli
Sequence	Ala 264-His 402
Accession	P34820
Calculated Molecular Weight	16.5 kDa
Observed molecular weight	18 kDa
Tag	N-His
Bioactivity	Measure by its ability to induce alkaline phosphatase production by ATDC5 cells.The ED ₅₀ for this effect is < 21.8 ng/mL.

Properties

Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.01 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 20 mM sodium citrate, 0.2 M NaCl, pH 3.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis.

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