

Product: Bone Morphogenetic Protein-7, Human Recombinant
Catalog #: 11-BMP-7
Amount: 5 µg

DESCRIPTION: Recombinant Human BMP-7 produced in E.Coli is a monomeric, non-glycosylated, Polypeptide chain containing 139 amino acids and having a molecular mass of 15679.97 Dalton.
The rHuBMP-7 is purified by proprietary chromatographic techniques.
The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Thr-Gly-Ser-Lys.

SOURCE: *E.Coli* Expression System

PURITY: Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of BMP-7.

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified, in 10mM sodium citrate pH=3.5.

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm.
2. Analysis by RP-HPLC, using a standard solution of BMP-7 as a Reference Standard.

CONCENTRATION: 0.1 mg/ml

BIOLOGICAL ACTIVITY: rHuBMP-7 is fully biologically active when compared to standard.
The ED50 as determined by the cytolysis of MC3T3-E1 cells is < 50 ng/ml.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles

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489 Common Street, Belmont, MA 02478, USA; Email: info@arpl.com or staff@arpl.com
Phone: 800-832-2611 or 617-489-1120 Fax: 888-832-2613 or 617-489-5120