



Product Datasheet

Product Name	Pro Bone Morphogenetic Protein -2 Human Recombinant
Cata No	CB500329
Source	<i>Escherichia Coli.</i>
Synonyms	ProBMP-2.

Description

Pro Bone Morphogenetic Protein -2 Human Recombinant is the precursor of BMP-2 which has 3 intramolecular cystein bridges is a homodimer, non-glycosylated, polypeptide chain containing 377 amino acids and having a molecular mass of 85,476 Dalton.

Pro Bone Morphogenetic Protein 2 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activity

The ProBMP-2 Human Recombinant administration leads to ectopic bone formation ion rats (Hillger et al., 2005).

Purity

Greater than 98.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

The Pro Bone Morphogenetic Protein -2 Human Recombinant was lyophilized in 0.1M K-HEPES pH 7.0 / Mannite.

Stability

Lyophilized Pro Bone Morphogenetic Protein -2 Human Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Pro Bone Morphogenetic Protein -2 Human Recombinant should be stored at 4°C between 2-7 days and for future use below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.