

Pro BMP 2 Human

Description: Pro Bone Morphogenetic Protein -2 Human Recombinant is the precursor of BMP-2 which has 3 intramolecular cysteine 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.

Catalog #: CYPs-434

For research use only.

Synonyms: ProBMP-2.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized Pro Bone Morphogenetic Protein -2 Human Recombinant in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Biological Activity:

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

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