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Certificate of Analysis and Data Sheet

Recombinant Human Bone Morphogenetic protein-2 Monomer

Catalog No.

228-10130

Source*Escherichia Coli.***Synonyms**

BMP-2, BMP2A, Bone morphogenetic protein 2, BMP-2A, BMP2.

Introduction:

BMP2 belongs to the transforming growth factor-beta (TGFB) superfamily. Bone morphogenic protein induces bone formation. BMP2 is a candidate gene for the autosomal dominant disease of fibrodysplasia (myositis) ossificans progressiva.

Description:

Bone Morphogenetic Protein-2 Human Recombinant produced in E.Coli is a monomeric, non-glycosylated, Polypeptide chain containing 115 amino acids (283-396) and having a molecular mass of 13009 Dalton.

The BMP-2 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered colorless solution.

Formulation:

BMP-2 solution contains 10mM NaAc pH=3.5 and 10% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks.

Store, frozen at -20°C for longer periods of time.

Please prevent freeze-thaw cycles.**Purity**

Greater than 95.0% as determined SDS-PAGE.

Amino acid sequence

MQAKHKQRKR LKSSCKRHPL YVDFSDVGWN DWIVAPPGYH AFYCHGECPF
PLADHLNSTN HAIVQTLVNS VNSKIPKACC VPTELSAISMLYLDENEKVV
LKNYQDMVVE GCGCR.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**