10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BMP-14 (GDF-5/CDMP-1), human recombinant protein

Cartilage-derived morphogenetic protein-1, CDMP-1, LAP4, SYNS2, GDF-5, Radotermin, CDMP1, GDF5, Grow

Catalog # PBV10319r

Specification

BMP-14 (GDF-5/CDMP-1), human recombinant protein - Product info

Primary Accession	X80915
Calculated MW	**27 kDa KDa**

BMP-14 (GDF-5/CDMP-1), human recombinant protein - Additional Info

Gene ID	**8200**
Gene Symbol	**GDF5**

Other Names

Cartilage-derived morphogenetic protein-1, CDMP-1, LAP4, SYNS2, GDF-5, Radotermin, CDMP1, GDF5, Growth differentiation factor 5, BMP-14

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥98%**
Assay2&Purity2	**HPLC; ≥98%**
Recombinant	**Yes**
Results	**1-2 µg/ml**

Target/Specificity

BMP-14

Application Notes

Reconstitute to a concentration of 0.1-1.0 mg/ml in H_2O containing BSA (50 mg BSA per 1 mg of protein). This solution can then be diluted into other aqueous buffers.

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized from 10 mM Sodium Citrate, pH 3.5.

BMP-14 (GDF-5/CDMP-1), human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety

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- Cell Culture

BMP-14 (GDF-5/CDMP-1), human recombinant protein - Images

BMP-14 (GDF-5/CDMP-1), human recombinant protein - Background

BMPs (bone morphogenetic proteins) belong to the TGF-β superfamily of structurally related signaling proteins. As implied by their name, BMPs promote and regulate bone development, growth, remodeling and repair, in both prenatal development and postnatal growth of eye, heart, kidney, skin, and other tissues. In addition to its osteogenic activity, BMP-14 is a principal inhibitor of cartilage development and is predominantly expressed in long bone during human embryonic development. Recombinant human BMP-14 is a 27 kDa homodimeric protein consisting of two 120 amino acid polypeptide chains.