

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 H₂O 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 Cytometry](#)

- [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.