

BMP-14/GDF-5, human recombinant protein
Cartilage-derived morphogenetic protein-1, Cartilage-Derived Morphogenetic Protein-1,
CDMP-1, LAP4,
Catalog # PBV10349r

Specification

BMP-14/GDF-5, human recombinant protein - Product info

Primary Accession [P43026](#)
Calculated MW **26.8 kDa KDa**

BMP-14/GDF-5, human recombinant protein - Additional Info

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

Other Names

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

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **HPLC; ≥95%**
Recombinant **Yes**
Results **30-50 nM**

Application Notes

Reconstitute in 20 Mm HOAc to a concentration of 0.1 to 1.0 mg/ml. This solution can then be diluted into other aqueous buffers

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives

BMP-14/GDF-5, 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, human recombinant protein - Images

BMP-14/GDF-5, human recombinant protein - Background

GDF-5 acts as an inhibitor of nerve tissue growth. It is produced as a homodimer, non-glycosylated polypeptide chain containing 2 X 117 amino acids with a molecular weight of 26.8 kDa. To enable bacterial expression of rhGDF-5 we removed the N-terminal sequence Ala-Pro- Leu- Thr and added the Lys.

BMP-14/GDF-5, human recombinant protein - References

Hoetten G.,et al.Biochem. Biophys. Res. Commun. 204:646-652(1994).
Chang S.,et al.J. Biol. Chem. 269:28227-28234(1994).
Deloukas P.,et al.Nature 414:865-871(2001).
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Triantafilou K.,et al.Nat. Immunol. 2:338-345(2001).