

BMP-12/GDF-7, human recombinant protein
bone morphogenetic protein 12, BMP12, BMP 12
Catalog # PBV10312r**Specification**

BMP-12/GDF-7, human recombinant protein - Product info

Primary Accession [BAD07014](#)
Calculated MW 27 kDa kDa

BMP-12/GDF-7, human recombinant protein - Additional Info

Gene ID 151449
Gene Symbol BMP12/GDF7
Other Names
BMP-12/GDF-7, BMP12/GDF7, BMP 12/GDF 7,

Gene Source Human
Source E. coli
Assay&Purity SDS-PAGE; ≥98%
Assay2&Purity2 HPLC; ≥98%
Recombinant Yes
Results 0.2 - 2.5 µg/ml
Target/Specificity
BMP-12/GDF-7

Application Notes

Reconstitute to a concentration of 0.1-1.0 mg/ml in H₂O containing BSA (50 µg BSA per 1 µg of protein). This solution can then be diluted into other aqueous buffers.

Format

Lyophilized protein

Storage

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

BMP-12/GDF-7, 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-12/GDF-7, human recombinant protein - Images

BMP-12/GDF-7, 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. BMP-12 is highly conserved across species. BMP-12 regulates chondrogenesis, bone morphogenesis, and neuron differentiation. Recombinant human BMP-12 is a 27 kDa disulfide-linked homodimer containing two 122 amino acid polypeptide chains.