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

BMP-10, human recombinant protein

bone morphogenetic protein 10, BMP10, BMP 10
Catalog # PBV10320r

Specification

BMP-10, human recombinant protein - Product info

Primary Accession	O95393
Calculated MW	**32 kDa KDa**

BMP-10, human recombinant protein - Additional Info

Gene ID	**27302**
Gene Symbol	**BMP10**

Other Names
bone morphogenetic protein 10, BMP10, BMP 10

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥98%**
Assay2&Purity2	**HPLC; ≥98%**
Recombinant	**Yes**
Results	**0.3-3 µg/ml**

Target/Specificity
BMP-10

Application Notes
Reconstitute to a concentration of 0.1-1.0 mg/ml in H_2O 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-10, 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
- Cell Culture

BMP-10, human recombinant protein - Images

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

BMP-10, 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-10 is essential for the proper development of the heart, but is not expressed until after cardiac patterning or looping are completed. Recombinant human BMP-10 is a 32 kDa disulfide-linked homodimer containing two 142 amino acid polypeptide chains.

BMP-10, human recombinant protein - References

Celeste A.J.,et al.Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).
Mazerbourg S.,et al.J. Biol. Chem. 280:32122-32132(2005).
David L.,et al.Blood 109:1953-1961(2007).
Ye L.,et al.Cancer Sci. 101:2137-2144(2010).