

BMP-9/GDF-2, human recombinant protein
Growth/Differentiation Factor-2, BMP-9
Catalog # PBV10784r**Specification**

BMP-9/GDF-2, human recombinant protein - Product info

Primary Accession [O9UK05](#)
Calculated MW **24.1 kDa** KDa

BMP-9/GDF-2, human recombinant protein - Additional Info

Gene ID	2658
Gene Symbol	GDF2
Other Names	
Growth/Differentiation Factor-2, BMP-9	
Gene Source	Human
Source	CHO cells
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	SAGAGSHCQK TSLRVNFEDI GWDSWIIAPKE YEAYECKGGC FFPLADDVTPTK HAIVQTLVHL KFPTKVGKAC CVPTKLSPIS VLYKDDMGVP TLKYHYEGMS VAECGCR

Target/Specificity
BMP-9

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.

BMP-9/GDF-2, 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-9/GDF-2, human recombinant protein - Images**BMP-9/GDF-2, human recombinant protein - Background**

GDF-2 belongs to the TGF- β cytokine family whose members play an important role during prenatal development and postnatal growth, remodeling and maintenance of a variety of tissues and organs. GDF-2 is expressed mainly in non-parenchymal cells of the liver, but is also found in other various cells and tissues. GDF-2 can signal through the ALK1 receptor and has been implicated in a number of physiologic events. These include regulation of the hepatic reticulo-endothelial system, glucose homeostasis, and iron homeostasis, as well as the inhibition of angiogenesis. Recombinant human GDF-2 is a 24.1 kDa disulfide linked homodimeric protein consisting of two 110 amino acid polypeptide chains.

BMP-9/GDF-2, human recombinant protein - References

Celeste A.J., et al. Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Deloukas P., et al. Nature 429:375-381(2004).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Zimmers T.A., et al. Submitted (JUN-1999) to the EMBL/GenBank/DDBJ databases.
David L., et al. Circ. Res. 102:914-922(2008).