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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	Q9UK05
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 Cytomety
- 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).