

AR31169PU-N**Human BMP9 - Purified****Alternate names:**

GDF-2, GDF2, Growth/differentiation factor 2

Quantity:

10 µg

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 nonparenchymal 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 reticuloendothelial system, glucose homeostasis, and iron homeostasis, as well as the inhibition of angiogenesis.

Uniprot ID:[Q9UK05](#)**NCBI:**[NP_057288.1](#)**GenelD:**[2658](#)**Species:**

Human

Source:

CHO cells

Format:**State:** Lyophilized purified protein**Purity:** >95% by SDS-PAGE & HPLC analysis**Stabilizers:** None**Endotoxin Level:** < 0.1 ng per µg of GDF-2**Reconstitution:** We recommended a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml.

This solution can be diluted into other aqueous buffers and stored at 4°C for one week or at -20°C for future use.

Description:

Recombinant human GDF-2 is a 24.1 kDa disulfide linked homodimeric protein consisting of two 110 amino acid polypeptide chains.

AA Sequence:SAGAGSHCQK TSLRVNFEDI GWDSWIAPK EYEAYECKGG CFFPLADDVT PTKHAIVQTL
VHLKFPTKVG KACCVPTKLS PISVLYKDDM GVPTLKHYHE GMSVAECGCR**Biological Activity:** Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells.

The expected ED50 for this effect is 0.5-1.9 ng/ml.

Molecular weight: 24.1 kDa**Add. Information:**

Centrifuge vials before opening!

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.

After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.