

Recombinant Human GDF-2
Catalog # PBG10133**Specification**

Recombinant Human GDF-2 - Product Information**Recombinant Human GDF-2 - Additional Information****Description**

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

Biological Activity

Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED_{50} for this effect is 0.5-1.9 ng/ml.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is $<0.1 \text{ ng/}\mu\text{g}$ of protein ($<1\text{EU/}\mu\text{g}$).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human GDF-2 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human GDF-2 - 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](#)

Recombinant Human GDF-2 - Images