

Animal-Free Recombinant Human GDF-3
Catalog # PBG10506**Specification**

Animal-Free Recombinant Human GDF-3 - Product Information**Animal-Free Recombinant Human GDF-3 - Additional Information****Description**

GDF-3 is a member of the TGF- β superfamily of growth and differentiation factors, and is highly homologous to GDF-9. Unlike most TGF- β family members, GDF-3 and GDF-9 are not disulfide-linked dimers. GDF-3 is expressed in adult bone marrow, spleen, thymus, and adipose tissue. The expression of GDF-3 is upregulated in high-fat-fed wild-type FABP4/aP2 null mice and was associated with obesity, but not with the related hyperglycemia/hyperinsulinemia which characterizes Type 2 diabetes. Recombinant human GDF-3 is a 26.0 kDa non-disulfide-linked homodimer containing two 114 amino acid polypeptide chains.

Biological Activity

Determined by its ability to inhibit induced alkaline phosphatase production by ATDC-5 chondrogenic cells. The ED_{50} for this effect is 100-150 ng/ml.

Authenticity

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

Endotoxin

Endotoxin level is <0.1 ng/ μ g of protein (<1 EU/ μ g).

Protein Content

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

Storage

-20°C

Precautions

Animal-Free Recombinant Human GDF-3 is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Human GDF-3 - 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](#)

Animal-Free Recombinant Human GDF-3 - Images