

Human GDF-15/MIC-1
Catalog # PBG10132**Specification**

Human GDF-15/MIC-1 - Product Information**Human GDF-15/MIC-1 - Additional Information****Description**

GDF-15 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-15 is expressed predominantly in placenta and to a much lesser extent in various other tissues. The presence of GDF-15 in amniotic fluid and its elevated levels in the sera of pregnant women suggest a role for GDF-15 in gestation and embryonic development. GDF-15 generally exerts tumor suppressive activities and is one of the predominant factors produced and secreted in response to activation of the p53 pathway. Interestingly, the serum level of GDF-15 is positively correlated with neoplastic progression of several tumor types, including certain colorectal, pancreatic, and prostate cancers. Human GDF-15/MIC-1 is a disulfide linked homodimeric protein consisting of two 114 amino-acid polypeptide chains.

Biological Activity

Determined by a cell inhibition assay using DU-145 cells. The expected ED_{50} for this effect is 1.0-2.0 μ g/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

Human GDF-15/MIC-1 is for research use only and not for use in diagnostic or therapeutic procedures.

Human GDF-15/MIC-1 - 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](#)

Human GDF-15/MIC-1 - Images