

Recombinant Human GASP-1
Catalog # PBG10126**Specification**

Recombinant Human GASP-1 - Product Information**Recombinant Human GASP-1 - Additional Information****Description**

Growth and differentiation factor-associated serum protein-1 (GASP-1) is a secreted inhibitory TGF- β binding protein that contains multiple protease inhibitor structural domains. It is expressed primarily in the ovary, testis, and brain, and can act as a potent soluble inhibitor of myostatin and GDF-11, but not Activin-A. The GASP-1 gene encodes a 571 amino acid protein that contains a 29 amino acid secretion signal sequence, and multiple identifiable structural features, including a WAP domain, a follistatin/Kazal domain, an immunoglobulin domain, two tandem Kunitz domains, and a netrin domain. Recombinant human GASP-1 is a 542 amino acid protein that migrates at an apparent molecular weight of approximately 55-66 kDa by SDS-PAGE analysis under non-reducing conditions.

Biological Activity

Determined by its ability to inhibit human Myostatin (GDF-8) activity in MCP-11 cells. The ED₅₀ for this effect is 0.0025-0.0040 μ g/ml in the presence of 5ng/ml of human Myostatin (GDF-8).

Authenticity

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

Endotoxin

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

Protein Content

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

Storage

-20°C

Precautions

Recombinant Human GASP-1 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human GASP-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](#)

Recombinant Human GASP-1 - Images