

PRODUCT INFORMATION SUMMARY

Human MPF

(Megakaryocyte Potentiating Factor)

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|-----------------|----------------|----------|---------|
| Purified Factor | Product Number | HC67744B | 50.0 ug |
| | Product Number | HC67744A | 10.0 ug |

DESCRIPTION:

Human MPF (Megakaryocyte Potentiating Factor, or Mesothelin) was originally identified as a differentiation antigen in pancreatic adenocarcinomas. MPF is a cell surface glycoprotein secreted by cells of mesothelium. It acts on proliferation and differentiation of megakaryocytes and in regulation of platelet production. Expression in cancerous tissues of lung, stomach, uterine, pancreas, and others- suggest a role in tumorigenesis. This recombinant cell-derived Human MPF is fragment with 250 aa, with MW of approx. 26.7 kDa. Glycosylated protein shows mass of approx. 32 kDa on SDS-PAGE under both reducing and non-reducing conditions.

SOURCE: CHO cells
Purity > 96% by HPLC analysis
Endotoxin < 0.1 ng per ug HGF

BIOLOGICAL ACTIVITY:

Not currently tested.

HANDLING AND STORAGE:

Purified MPF is provided lyophilized. Store lyophilized, at -20° C. Can be reconstituted with **sterile or distilled water** to a concentration of approx. 100 ug/mL, then dilute in PBS or other buffered solutions. Store small aliquots, **with addition of 0.1% BSA**, at -20° C, for up to 3 months, at high concentration.

Microcentrifuge before reconstitution. Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

RESEARCH USE ONLY -NOT for DRUG USE

ANTIGENIX America Inc.