

(hGF) | 300703

Description	Human recombinant hGF (hGF) is a member of the fibroblast growth factor (FGF) family of growth factors. It is a dimeric protein consisting of two identical subunits, each containing a cysteine-rich domain and a hydrophobic domain. The hydrophobic domain is responsible for the biological activity of the protein, while the cysteine-rich domain is involved in the dimerization of the subunits. hGF is secreted by a variety of cells, including fibroblasts, epithelial cells, and endothelial cells. It plays a role in a variety of biological processes, including cell proliferation, differentiation, and angiogenesis. hGF is a member of the fibroblast growth factor (FGF) family of growth factors. It is a dimeric protein consisting of two identical subunits, each containing a cysteine-rich domain and a hydrophobic domain. The hydrophobic domain is responsible for the biological activity of the protein, while the cysteine-rich domain is involved in the dimerization of the subunits. hGF is secreted by a variety of cells, including fibroblasts, epithelial cells, and endothelial cells. It plays a role in a variety of biological processes, including cell proliferation, differentiation, and angiogenesis.
Organism	Human
Tissue	Various
Applications	Research, cell culture, wound healing, angiogenesis
Cell type	Various
Growth properties	Various
Citation	Human recombinant hGF (hGF) (Accession Number: 300703)
NCBI_TaxID	9606
Culture Medium	DMEM: DMEM:Ham's F12 (1:1) + 3.1 µg/ml insulin, 2.5 µg/ml transferrin, 15 µg/ml selenium (15 µg/ml selenium, 15 µg/ml selenium, 15 µg/ml selenium)
Supplements	10% FBS, 10% insulin, 10% transferrin, 10% selenium, 10% bFGF, 10% insulin, 10% transferrin, 10% selenium
Dissociation Reagent	Various
Subculturing	Various

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Freeze medium

Freezing medium: 90% FBS + 10% DMSO. Cells are seeded into CM-1 (Cytion 800100) and frozen.

Thawing and Culturing Cells

1. Thaw cells in a water bath at 37°C.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Wash cells with PBS.
4. Resuspend cells in 10% FBS medium.
5. Seed cells into a 96-well plate.
6. Incubate cells for 24 hours.
7. Harvest cells for analysis.
8. Repeat the process for the next sample.

Incubation Atmosphere

37°C, 5% CO₂, humidified.

Flask Coating

Yes

Freezing Procedure

Cells are frozen in a controlled rate freezer at -80°C.

Shipping Conditions

Cells are shipped on dry ice at -78°C.

Storage Conditions

Cells are stored at -150 to -196°C.

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Sterility

Das Produkt ist steril und kann ohne weitere Vorbehandlung in PCR-Analysen eingesetzt werden. Es ist für die Verwendung in PCR-Analysen geeignet und kann ohne weitere Vorbehandlung eingesetzt werden.