

# Recombinant Human HGF

Catalog Number: HZ-1084 **HEK293 expressed** **Endotoxin-free** **Animal-component free**

## Technical Specifications

<b>Species:</b> human	<b>Purity:</b> >95%	<b>Formulation:</b> 1x PBS, See Certificate of Analysis for details
<b>Expression:</b> HEK293	<b>Endotoxin:</b> <1 EU/μg	<b>Gene ID:</b> 3082
<b>Activity:</b> Typically ≤ 20 ng/mL EC50	<b>Molecular Mass:</b> 70 kDa, single chain, glycosylated	

## Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

## Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

## Background

Hepatocyte growth factor (HGF) is the most potent mitogen of mature hepatocytes in primary culture. It is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin (PMID 1530787, 2531289). HGF exerts a variety of effects on several cells, such as inflammation, tissue repair, morphogenesis, angiogenesis, tumour propagation, immunomodulation of viral infections and cardio-metabolic activities (PMID: 1846706; 15070743; 1383237; 1827664).

## Synonyms

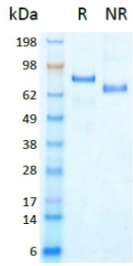
F TCF, Hepatocyte growth factor, Hepatopoeitin A, HGF, HGFB, HPTA, Scatter factor, SF

For technical support and original validation data for this product please contact:

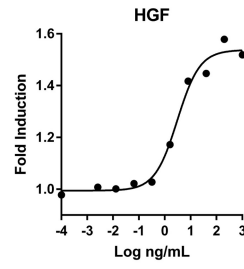
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## Selected Validation Data



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.



The activity was determined by the dose-dependent stimulation of the proliferation of the monkey epithelial cell line 4MBr-5 using Promega CellTiter96® Aqueous Non-Radioactive Cell Proliferation Assay.