

# Human HGFA Protein (pro form)

Cat. No. HGF-HM10A

## Description

<b>Source</b>	Recombinant Human HGFA Protein (pro form) is expressed from HEK293 with His tag at the C-Terminus. It contains Gln36-Ser655.
<b>Accession</b>	Q04756
<b>Molecular Weight</b>	The protein has a predicted MW of 67.2 kDa. Due to glycosylation, the protein (pro form) migrates to 85-100 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Hepatocyte growth factor activator (HGFA) is a serine protease initially identified as a potent activator of hepatocyte growth factor/scatter factor. Hepatocyte growth factor/scatter factor is known to be critically involved in tissue morphogenesis, regeneration, and tumor progression, via its receptor, MET. In vivo, HGFA also activates macrophage-stimulating protein, which has roles in macrophage recruitment and inflammatory processes, cellular survival and wound healing through its receptor, RON.

## Assay Data

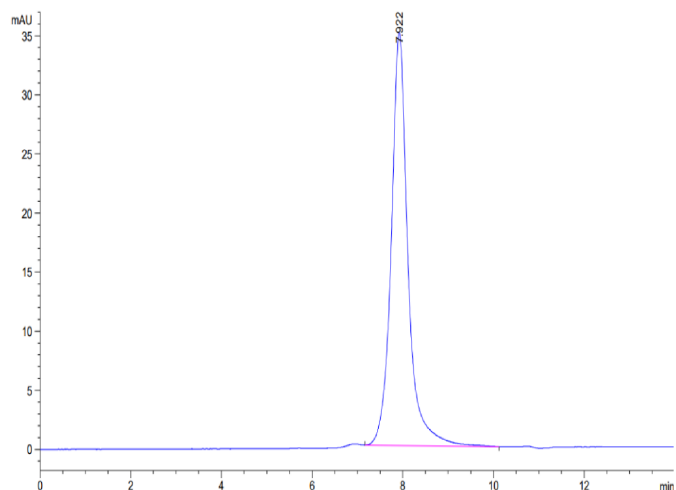
### Bis-Tris PAGE



Human HGFA (pro form) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Human HGFA (pro form) is greater than 95% as determined by SEC-HPLC.