

Datasheet for ABIN7274811

HGFA Protein (AA 35-653) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	HGFA
Protein Characteristics:	AA 35-653
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HGFA protein is labelled with His tag.

Product Details

Purpose:	Mouse HGFA Protein (pro form)
Sequence:	Gln35-Ser653
Characteristics:	Recombinant Mouse HGFA Protein (pro form) is expressed from HEK293 with His tag at the C-Terminus. It contains Gln35-Ser653.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	HGFA
Alternative Name:	HGFA (HGFA Products)

Target Details

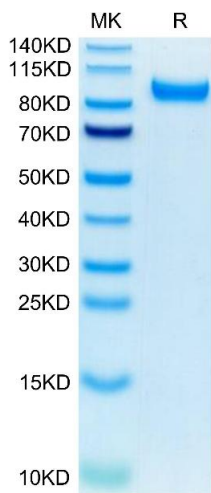
Background:	Hepatocyte growth factor activator (HGFA) is a serine protease initially identified as a potent activator of hepatocyte growth factor/scatter factor. Hepatocyte growth factor/scatter factor is known to be critically involved in tissue morphogenesis, regeneration, and tumor progression, via 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.
Molecular Weight:	67.9 kDa. Due to glycosylation, the protein (pro form) migrates to 80-100 kDa based on Tris-Bis PAGE result.
UniProt:	Q9R098

Application Details

Restrictions:	For Research Use only
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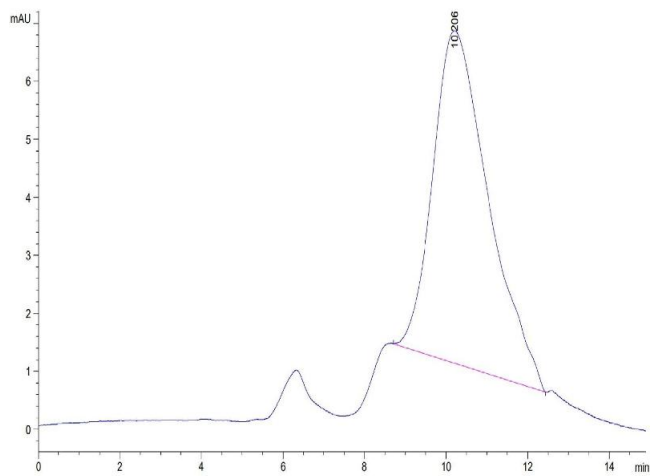
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM Tris, 150 mM NaCl, 2 mM CaCl ₂ (pH 8.0). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse HGFA (pro form) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse HGFA (pro form) is greater than 95 % as determined by SEC-HPLC.