



# Human hepatocyte growth factor activator(HGFA) ELISA kit

<b>Product Code</b>	CSB-E13160h
<b>Abbreviation</b>	HGFAC
<b>Target Name</b>	HGF activator
<b>Uniprot No.</b>	Q04756
<b>Alias</b>	RP11-529E10.2, HGFA, MGC138395, MGC138397,
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	78 pg/mL-5000 pg/mL
<b>Sensitivity</b>	19.5 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Cardiovascular
<b>Gene Names</b>	HGFAC
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human HGFAC ELISA Kit was designed for the quantitative measurement of Human HGFAC protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 78 pg/mL-5000 pg/mL and the sensitivity is 19.5 pg/mL.
<b>Target Details</b>	This protein belongs to peptidase family S1. It is first synthesized as an inactive single-chain precursor before being activated to a heterodimeric form by endoproteolytic processing. It acts as serine protease that converts hepatocyte growth factor to the active form.
<b>Product Precision</b>	<p>Intra-assay Precision (Precision within an assay): CV%&lt;8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%&lt;10%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>



## Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human HGFA in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	84
	Range %	81-89
1:2	Average %	95
	Range %	91-99
1:4	Average %	87
	Range %	82-93
1:8	Average %	105
	Range %	101-109

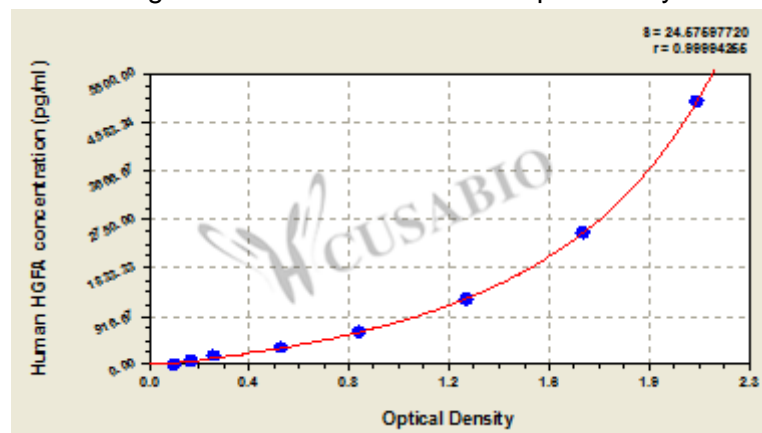
## Recovery

The recovery of human HGFA spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	89	85-91
EDTA plasma (n=4)	94	91-99

## Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
5000	2.117	2.148	2.133	2.025
2500	1.696	1.682	1.689	1.581
1250	1.215	1.268	1.242	1.134
625	0.834	0.816	0.825	0.717
312	0.502	0.536	0.519	0.411
156	0.265	0.258	0.262	0.154
78	0.168	0.171	0.170	0.062
0	0.106	0.109	0.108	

## Msds

```
{
  "0": {
    "fileurl": "https://www.cusabio.com/uploadfile/msds/MSDS CSB-E13160h.pdf",
    "filename": "MSDS"
  }
}
```