

## ARG83525

### arigoQIK™ Human HGF ELISA Development Kit

Package: 1 kit(5 plates), 1 kit  
(15 plates)  
Store at: 4°C, -20°C

#### Summary

##### Product Description

ARG83525 arigoQIK™ Human HGF ELISA Development Kit, includes Capture antibody, Detection antibody, Standard, and HRP-Streptavidin Solution.  
This ELISA Development Kit is designed for the development of sandwich ELISA to measure Human HGF in serum, plasma and cell culture supernatants.

For other reagents required for [arigoQIK™ ELISA Development Kit](#), please refer [ARG83524 Integral Reagent Kit \(ELISA Development Kit\)](#)

##### [More about arigoQIK™:](#)

- Optimized capture and detection antibody pairs
- Reduced incubation time and wash cycles
- 2-hour quicker than conventional ELISA process
- 5- and 15-plate packages available

##### Tested Reactivity

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##### Tested Application

ELISA

##### Target Name

HGF

##### Conjugation

HRP

##### Conjugation Note

Substrate: TMB and read at 450 nm.

##### Sensitivity

3.91 pg/ml

##### Sample Type

Serum, plasma and cell culture supernatants.

##### Standard Range

7.81 - 500pg/ml

##### Sample Volume

50 µl

##### Alternate Names

HGF; Hepatocyte Growth Factor; HPTA; SF; F-TCF; HGFB; Hepatocyte Growth Factor (Hepapoinetin A; Scatter Factor); Fibroblast-Derived Tumor Cytotoxic Factor; Lung Fibroblast-Derived Mitogen; Hepatopoinetin-A; Scatter Factor; DFNB39; Deafness, Autosomal Recessive 39; Hepatopoinetin A; EC 3.4.21.7; EC 3.4.21

#### Properties

##### Storage instruction

Store components at 4°C or -20°C. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

##### Note

For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

##### Gene Symbol

HGF

##### Gene Full Name

Hepatocyte Growth Factor

##### Background

This gene encodes a protein that binds to the hepatocyte growth factor receptor to regulate cell growth, cell motility and morphogenesis in numerous cell and tissue types. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate alpha and beta chains, which form the mature heterodimer. This protein is

secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. This protein also plays a role in angiogenesis, tumorigenesis, and tissue regeneration. Although the encoded protein is a member of the peptidase S1 family of serine proteases, it lacks peptidase activity. Mutations in this gene are associated with nonsyndromic hearing loss. [provided by RefSeq, Nov 2015]

**Function**

Potent mitogen for mature parenchymal hepatocyte cells, seems to be a hepatotrophic factor, and acts as a growth factor for a broad spectrum of tissues and cell types.  
Activating ligand for the receptor tyrosine kinase MET by binding to it and promoting its dimerization (PubMed:15167892, PubMed:20977675).  
Activates MAPK signaling following TMPRSS13 cleavage and activation. [UniProt]

**Highlight**

Related news:  
[arigoQIK, DIY your sandwich ELISA kits;](#)

**PTM**

Disulfide bond, Glycoprotein, Pyrrolidone carboxylic acid. [UniProt]