

## HGF recombinant protein

Human HGF (1-728) Protein, hFc Tag

CATALOG #  
**AAA129489**

HOST  
**HEK293**

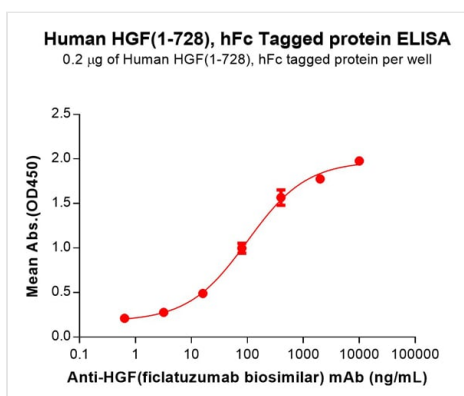
### PRODUCT SYNONYMS

HGF; Human HGF (1-728) Protein; hFc Tag; SF; HGFB; HPTA; F-TCF; DFNB39; Recombinant human HGF (1-728) Protein with C-terminal human Fc tag; HGF recombinant protein

### PRODUCT SPECIFICATIONS

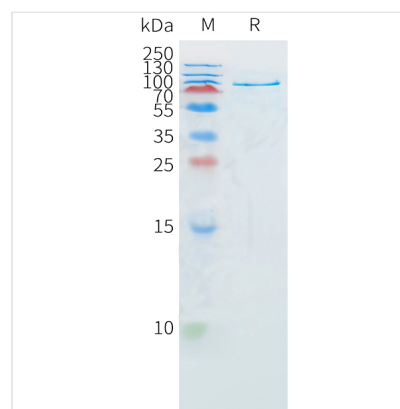
|                         |                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293                                                                                                                                                                                                                                                                   |
| Purity/Purification     | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                                                     |
| Form/Format             | Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.                                                                            |
| Sequence                | HGF(Met1-S er728)hFc( Glu99-Ala3 30)                                                                                                                                                                                                                                     |
| Tag                     | C-Human Fc                                                                                                                                                                                                                                                               |
| Preparation and Storage | Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |

### IMAGES



#### ELISA

Figure 2. ELISA plate pre-coated by 2 ug/mL (100 uL/well) Human HGF(1-728) Protein, hFc Tag (AAA129489) can bind Anti-HGF(ficlatuzumab biosimilar) mAb in a linear range of 16-2000 ng/mL.



#### SDS-PAGE

Figure 1. Human HGF(1-728) Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HGF recombinant protein | 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] |
| Product Categories/Family for HGF recombinant protein   | <a href="#">ECD Proteins</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 123116                                                                                                                                                                                                                                                  |
| NCBI GeneID                      | 3082                                                                                                                                                                                                                                                    |
| UniProt Accession #              | <a href="#">P14210</a> ; <a href="#">Q02935</a> ; <a href="#">Q13494</a> ; <a href="#">Q14519</a> ; <a href="#">Q3KRB2</a> ; <a href="#">Q8TCE2</a> ; <a href="#">Q9BYL9</a> ; <a href="#">Q9BYM0</a> ; <a href="#">Q9UDU6</a> ; <a href="#">A1L3U6</a> |
| Molecular Weight                 | 728                                                                                                                                                                                                                                                     |
| NCBI Official Full Name          | Hepatocyte growth factor                                                                                                                                                                                                                                |
| NCBI Official Synonym Full Names | hepatocyte growth factor (hepapoietin A; scatter factor)                                                                                                                                                                                                |
| NCBI Official Symbol             | HGF                                                                                                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | SF; HGFB; HPTA; F-TCF; DFNB39                                                                                                                                                                                                                           |
| NCBI Protein Information         | hepatocyte growth factor; hepatopoeitin-A; hepatopoietin-A; lung fibroblast-derived mitogen; fibroblast-derived tumor cytotoxic factor                                                                                                                  |
| UniProt Protein Name             | Hepatocyte growth factor                                                                                                                                                                                                                                |
| UniProt Gene Name                | <b>HGF</b>                                                                                                                                                                                                                                              |
| UniProt Synonym Gene Names       | HPTA; SF                                                                                                                                                                                                                                                |
| UniProt Entry Name               | HGF_HUMAN                                                                                                                                                                                                                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hgf-recombinant-protein-hek293/129489>