

Hepatocyte growth factor/HGF Recombinant Protein | HGF recombinant protein

Recombinant Human Hepatocyte growth factor/HGF Protein

CATALOG #
AAA282571

HOST
HEK293 cells

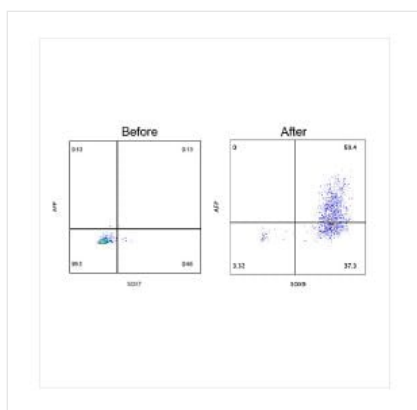
PRODUCT SYNONYMS

Hepatocyte growth factor/HGF; Recombinant Human Hepatocyte growth factor/HGF Protein; HGF; DFNB39; F-TCF; HGFB; HPTA; SF; HGF recombinant protein

PRODUCT SPECIFICATIONS

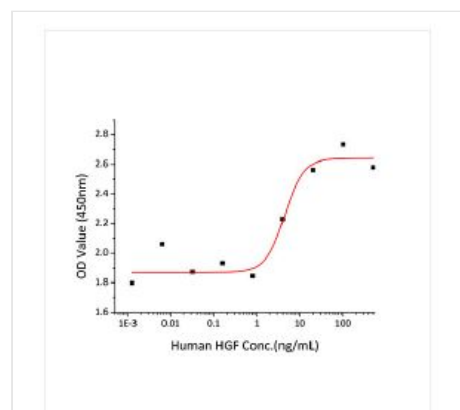
Host	HEK293 cells
Purity/Purification	> 95% by SDS-PAGE.
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Tag	C-His
Bioactivity	Measured by its ability to induce IL-11 secretion by Saos-2 human osteosarcoma cells. Hjertner, O. et al. (1999) Blood 94:3883. The ED50 for this effect is 2.23-8.91 ng/mL, corresponding to a specific activity of 1.12×10^5 - 4.48×10^5 units/mg.
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack

IMAGES



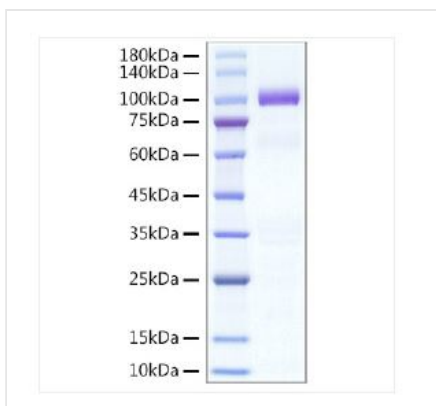
Application Data

Recombinant Human HGF(20 ng/mL) and KGF(20 ng/mL) induce iPSC-derived mesoderm and endoderm cells for 6 days to differentiate into hepatocytes. According to flow cytometry results, the signals of hepatocytes markers AFP and SOX9 turn positive after induction.(Customer feedback data



Application Data

Recombinant Human HGF induce IL-11 secretion by Saos-2 human osteosarcoma cells. The ED50 for this effect is 2.23-8.91 ng/mL, corresponding to a specific activity of 1.12×10^5 - 4.48×10^5 units/mg.



SDS-PAGE

Active Recombinant Human Hepatocyte growth factor/HGF Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 100-110 kDa.

ADDITIONAL INFORMATION

Related Product Information for HGF recombinant protein	Active Recombinant Human Hepatocyte growth factor/HGF Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln32-Ser728) of human Hepatocyte growth factor/HGF (Accession #NP_000592.3) fused with and a 6xHis tag at the C-terminus.
Product Categories/Family for HGF recombinant protein	Growth Factor; Cell Culture related; Biosimilar Drug Targets

NCBI AND UNIPROT INFORMATION

NCBI GI #	123116
NCBI GeneID	3082
UniProt Accession #	P14210; Q02935; Q13494; Q14519; Q3KRB2; Q8TCE2; Q9BYL9; Q9BYM0; Q9UDU6; A1L3U6
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; hepatopietin-A; lung fibroblast-derived mitogen; fibroblast-derived tumor cytotoxic factor
UniProt Protein Name	Hepatocyte growth factor
UniProt Gene Name	HGF
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-cells/282571>