Hepatocyte Growth Factor Human Active Protein

PRODUCT OVERVIEW

Product Name	Hepatocyte Growth Factor, Active Protein
Full Product Name	Hepatocyte Growth Factor, Recombinant, Human (HGF, HGFB, F-TCF, Hepatopoietin A, HPTA, Lung Fibroblast-derived Mitogen, Scatter Factor, SF)
Species Reactivity	Human
Form/Format	Supplied as a lyophilized powder from PBS, pH 7.4 containing 0.05% Tween 20, from a concentrated (1mg/ml) solution. Reconstitute with sterile dH2O to 100ug/ml, which can then be further diluted to other aqueous solutions.
Purity/Purification	Highly Purified 98.0% as determined by RP-HPLC or SDS-PAGE.
Preparation and Storage	Lyophilized Hepatocyte Growth Factor although stable at room temperature for 3 weeks, should be stored desiccated below -20 degree C. Upon reconstitution HGF should be stored at 4 degree C between 2-7 days and for future use below -20 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Active Protein Note	Protein activity can be an ambiguous term. Please refer to the data sheet or inquire with Technical Support to determine the definition of activity for this product.
Biological Activity	The ED50 calculated by the dose-dependent proliferation of monkey 4MBr-5 indicator cells was found to be 20-40ug/ml.
Protein Content	Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm using the absorbency value of 1.83 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a standard solution of HGF as a Reference Standard.
Product Categories/Family for Hepatocyte Growth Factor active protein	Growth Factors; Cytokines; Growth Factors-HGF
Related Product Information for Hepatocyte Growth Factor active protein	Hepatocyte Growth Factor Human Recombinant produced in Baculovirus is a heterodimer, non-glycosylated, polypeptide chain consisting an a-chain of 463 amino acids and a-chain of 234 having a total molecular mass of 80kD.
Other Notes	Small volumes of Hepatocyte Growth Factor active protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Hepatocyte Growth Factor purchase	MBS650353 is an active protein targeting Hepatocyte Growth Factor. Also known as Hepatocyte Growth Factor, Recombinant, Human (HGF, HGFB, F-TCF, Hepatopoietin A, HPTA, Lung Fibroblast-derived Mitogen, Scatter Factor, SF). Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Hepatocyte Growth Factor. It may not necessarily be applicable to this product.

NCBI GI #	237997
NCBI Official Full Name	hepatocyte growth factor
Protein Family	Hepatocyte growth factor

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