

产品名称: Recombinant Human HGF (C-6His)
产品货号: PHH1862

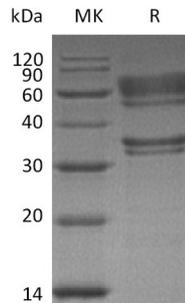


概述 (Summary)

英文全称	HGF/Hepatopoietin-A/Hepatocyte Growth Factor
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<0.01 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Hepatocyte Growth Factor is produced by our Mammalian expression system and the target gene encoding Gln32-Ser728 is expressed with a 6His tag at the C-terminus.
Accession #	P14210
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	26&53.7 KDa
制剂 (Form)	Lyophilized from a 0.2 μm filtered solution of 20mM Tris , 500mM NaCl, 3%Trehalose, 0.02% Tween 80, pH 8.0.
运输方式 (Shipping)	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
复溶 (Reconstitution)	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

电泳图 (SDS-PAGE image)

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背景 (Background)

分子别名 (Alternative Names)

背景介绍 (References)

Hepatocyte growth factor; HPTA; HGF; SF; Scatter factor; Hepatopietin-A
HGF, is a pleiotropic protein in the Plasminogen subfamily of S1 peptidases and contains 4 kringle domains, 1 PAN domain and 1 peptidase S1 domain. HGF is secreted as an inactive 728 amino acid (aa) single chain propeptide. It is cleaved after the fourth Kringle domain by a serine protease to form bioactive disulfide-linked HGF with a 60 kDa alpha and 30 kDa beta chain. HGF binds heparan-sulfate proteoglycans and the widely expressed receptor tyrosine kinase, HGF R/c-MET. HGF regulates epithelial morphogenesis by inducing cell scattering and branching tubulogenesis. It can also alter epithelium morphology by the induction of nectin-1 alpha ectodomain shedding, an adhesion protein component of adherens junctions. HGF regulates cell growth, cell motility, and morphogenesis by activating a tyrosine kinase signaling cascade after binding to the proto oncogenic c-Met receptor. HGF is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. Its ability to stimulate mitogenesis, cell motility, and matrix invasion gives it a central role in angiogenesis, tumorogenesis, and tissue regeneration.

注意事项 (Note)

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