

Active Recombinant Human HGF protein

Cat. No. HGF-1743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HGF protein was expressed in Insect Cells.
Species	Human
Source	Insect Cells
Form	Lyophilized from a 0.2 µm filtered solution in PBS, 5% Trehalose, 0.02% Tween-20, pH 7.0.
Bio-activity	Measured by its ability to induce IL-11 secretion by Saos 2 human osteosarcoma cells. The ED50 for this effect is equal to or less than 4.00 ng/mL.
Molecular Mass	Approximately 79.6 kDa on SDS-PAGE under reducing conditions, containing 697 amino acids.
AASequence	<p>QRKRRNTIHEFKKSAKTTLIKIDPALKIKTKKVNTADQCANRCTRNKGLPFTCKAFVF DKARKQCLWFPFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGTVSITKSG IKCQPWSSMIPHEHSFLPSSYRGKDLQENYCRNPRGEEGGPWCFTSNPEVRYEVC DIPQCSEVECMTCNGESYRGLMDHTESGKICQRWDHQTPHRHKFLPERYPDKGFD DNYCRNPDGQPRPWCYTLDPHTRWEYCAIKTCADNTMNDTDVPLETTECIQQQGE GYRGTVNTIWNIGIPCQRWDSQYPHEHDMTPENFKCKDLRENYCRNPDGSESPWC FTTDPNIRVGYCSQIPNCDMSHGQDCYRGNGKNYMGNLSQTRSGLTCSMWDKNM EDLHRHIFWEPDASKLNENYCRNPDDDAHGPWCYTGNPLIPWDYCPISRCEGDTP TIVNLDHPVISCATKQLRVVGIPTRTNIGWMVSLRYRNKHICGGSLIKESWVLTAR QCFPSRDLKDYEAWLGIHDVHGRGDEKCKQVLNVSQLVYGPESDLVLMKLARPA</p>

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VLDDFVSTIDLPNYGCTIPEKTSCSVYGWGYTGLINYDGLLRVAHLYIMGNEKCSQH
 HRGKVTLNESICAGAEKIGSGPCEGDYGGPLVCEQHKMRMVLGVIVPGRGCAIPN
 RPGIFVRVAYYAKWIHKIILTYKVPQS

Endotoxin Less than 0.1 EU/μg of rHuHGF, Insect Cell is as determined by LAL method.

Purity > 95% by SDS-PAGE analyses.

Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name HGF hepatocyte growth factor (hepatopietin A; scatter factor) [Homo sapiens]

Official Symbol HGF

Synonyms HGF; hepatocyte growth factor (hepatopietin A; scatter factor); deafness, autosomal recessive 39 , DFNB39; hepatocyte growth factor; F TCF; fibroblast derived tumor cytotoxic factor; hepatopietin A; HGFB; HPTA; lung fibroblast derived mitogen; scatter factor; SF; hepatopoeitin-A; hepatopietin-A; lung fibroblast-derived mitogen; fibroblast-derived tumor cytotoxic factor; F-TCF; DFNB39;

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Gene ID	3082
mRNA Refseq	NM_000601
Protein Refseq	NP_000592
MIM	142409
UniProt ID	P14210

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