

Recombinant Human HGF Protein

Catalog #	Source	Reactivity	Applications
CRP1666	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human HGF Protein is produced by our mammalian expression system and the target gene encoding Gln32-Ser728 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μM filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.

Gene Symbol HGF

Alternative Names HPTA; Hepatocyte growth factor; Hepatopoietin-A; Scatter factor; SF

Entrez Gene 3082 (Human)

SwissProt P14210 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure QRRRNTIHE FKSAKTTLI KIDPALKIKT KKVNTADQCA NRCTRNGLP FTCKAFVFDK
 ARKQCLWFPF NSMSSGVKKE FGHEFDLYEN KDYIRNCIIG KGRSYKGTVS ITKSGIKCQP
 WSSMIPHEHS FLPSSYRGKD LQENYCRNPR GEEGGPWCF TSNPEVRYEVC DIPQCSEVEC
 MTCNGESYRG LMDHTESGKI CQRWDHQTTPH RHKFLPERYP DKGFDNYCR
 NPDGQPRPWC YTLDPHTRWE YCAIKTCADN TMNDTDVPLE TTECIQQQGE
 GYRGTVNTIW NGIPCQRWDS QYPHEHDMTP ENFKCKDLRE NYCRNPDGSE
 SPWCFTTDPN IRVGYCSQIP NCDMSHGQDC YRGNGKNYMG NLSQTRSGLT
 CSMWDKNMED LHRHIFWEPD ASKLNENYCR NPDDDAHGPW CYTGNPLIPW
 DYCPISRCEG DTTPTIVNLD HPVISCAKTK QLRVVGIIPT RTNIGWMVSL RYRNKHICGG
 SLIKESWVLT ARQCFPSRDL KDYEAWLGIH DVHGRGDEKC KQVLNVSQVL YGPEGSDLVL
 MKLARPAVLD DFVSTIDLPN YGCTIPEKTS CSVYGWGYTG LINYDGLLRV AHLYIMGNEK
 CSQHHRGKVT LNESEICAGA EKIGSGPCEG DYGGPLVCEQ HKMRMVLGVI VPGRGCAIPN

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

RPGIFVRVAY YAKWIHKIIL TYKVPQSDH HHHHH

Quality Control

Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C , though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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