Human HGF Protein

Catalog # HGF-HP001 Form: Lyophilized

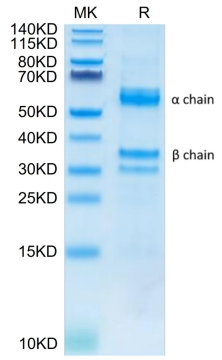
Product Details

Product description	Recombinant Human HGF Protein is expressed in HEK293 cells with a His tag at the C-terminus. It contains amino acid residues Gln32-Ser728 (UniProt accession: P14210-1).
Molecular aliases	Hepatopoietin-A; SF; HPTA; HGF; DFNB39; F-TCF; F-TCFB; HGFB
Expression system	HEK293
Molecular weight	The HGF single chain can be processed into the active form of disulfide-linked heterodimer of α and β chain. The protein has a predicted MW of 79.6 kDa (after cleavage of the signal peptide). Due to glycosylation, the protein migrates to 60-65 kDa and 30-40 kDa corresponding to α chain and β chain based on Bis-Tris PAGE result.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Formulation	Lyophilized from 0.22μm filtered solution in PBS, 200mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
State	Lyophilized
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Human HGF on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.