BOSTER BIOLOGICAL TECHNOLOGY
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Human recombinant HGF protein, AF

Catalog Number: PROTP14210-8

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Overview

Product Name	Human recombinant HGF protein, AF
Description	Hepatocyte Growth Factor (HGF) activates c-Met receptor's tyrosine kinase cascade, influencing cell growth and motility. Originating from mesenchymal cells, HGF is a multifunctional cytokine that plays a central role in angiogenesis, tumorigenesis, and tissue regeneration. Initially secreted as an inactive polypeptide, HGF undergoes cleavage to become an active heterodimeric molecule. The gene exhibits alternative splicing, resulting in diverse isoforms.
Size	5ug,20ug,100ug
Tag	His Tag (C-term)
Form	Lyophilized
Source	HEK293 cell
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>90% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 80.48 kDa. The protein migrates as 75-100 kDa under reducing condition (SDS-PAGE analysis).

Activity

Testing in process

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Endotoxin

<1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

A DNA sequence encoding Human HGF Protein (#P14210)(Gln 32-Ser 728) was expressed with polyhistidine tag at the C-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

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Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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For Research Use Only. Not for use in diagnostic procedures.