

# Recombinant Human HGF Protein, None-tagged, Alexa Fluor 488 conjugated

**Cat. No.** HGF-872HAF488    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 488 conjugated recombinant human HGF (NP_000592.3) precursor (Met 1-Ser 728), fused with no tag, was produced in CHO Stable Cells.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	697
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	The secreted recombinant human HGF consists of 697 amino acids after cleavage of the signal peptide and has a predicted molecular mass of 79.7 kDa. The HGF single chain can be processed into the active form of disulfide-linked heterodimer of $\alpha$ and $\beta$ chain. As a result of glycosylation, it migrates with the apparent molecular mass of 90, 60 and 34 kDa corresponding to the single chain, $\alpha$ chain and $\beta$ chain respectively in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

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<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 488

## GENE INFORMATION

<b>Gene Name</b>	HGF hepatocyte growth factor (hepapoietin A; scatter factor) [ Homo sapiens ]
<b>Official Symbol</b>	HGF
<b>Gene ID</b>	3082
<b>mRNA Refseq</b>	NM_000601
<b>Protein Refseq</b>	NP_000592
<b>MIM</b>	142409
<b>UniProt ID</b>	P14210

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