

Recombinant Human HGF Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HGF-5037H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HGF MS Standard C13 and N15-labeled recombinant protein (NP_000592) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that binds to the hepatocyte growth factor receptor to regulate cell growth, cell motility and morphogenesis in numerous cell and tissue types. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate alpha and beta chains, which form the mature heterodimer. This protein is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. This protein also plays a role in angiogenesis, tumorigenesis, and tissue regeneration. Although the encoded protein is a member of the peptidase S1 family of serine proteases, it lacks peptidase activity. Mutations in this gene are associated with nonsyndromic hearing loss.
Molecular Mass	83.13 kDa
AA Sequence	MWVTKLLPALLLQHVLLHLLLLPIAIPYAEGQRKRRNTIHEFKKSAKTTLIKIDPALKIKT KKVNTADQCANRCTRNKGLPFTCKAFVFDKARKQCLWFPFNSMSSGVKKEFGHEF DLYENKDYIRNCIIGKGRSYKGTVSITKSGIKCQPWSSMIPHEHSFLPSSYRGKDLQE

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NYCRNPRGEEGGPWCFSTSNPEVRYEVCDIPQCSEVECMTCNNGESYRGLMDHTES
 GKICQRWDHQTPHRHKFLPERYPDKGFDDNYCRNPDGQPRPWCYTLDPHTRWEY
 CAIKTCADNTMNDTDVPLETTECIQGQGEYRGTVNTIWNIGIPCQRWDSQYPHEHD
 MTPENFKCKDLRENYCRNPDGSESPWCFTTDPNIRVGYSQIPNCDMSHGQDCYR
 GNGKNYMGNLSQTRSGLTCSMWDKNMEDLHRHIFWEPDASKLNENYCRNPDDDA
 HGPWCYTGNPLIPWDYCPISRCEGDTTPTIVNLDHPVISCATKQLRVVNGIPTRTNI
 GWMVSLRYRNKHICGGLIKESWVLTARQCFPSRDLKDYEAWLGIHDVHGRGDEK
 CKQVLNVSQLVYGPESDLVLMKLARPAVLDDFVSTIDLPNYGCTIPEKTSCSVYGW
 GYTGLINYDGLLRVAHLYIMGNEKCSQHHRGKVTLNESICAGAEEKIGSGPCEGDYG
 GPLVCEQHKMRMVLGVIVPGRGCAIPNRPGFVVRVAYYAKWIIKIILTYKVPQSTRTR
 PLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	HGF hepatocyte growth factor [Homo sapiens (human)]
Official Symbol	HGF
Synonyms	HGF; hepatocyte growth factor (hepapoietin A; scatter factor); deafness, autosomal recessive 39, DFNB39; hepatocyte growth factor; F TCF; fibroblast derived tumor

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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;

Gene ID 3082

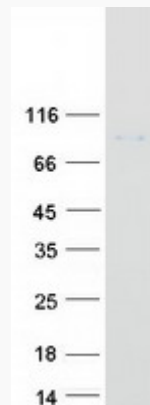
mRNA Refseq NM_000601

Protein Refseq NP_000592

MIM 142409

UniProt ID P14210

SDS-PAGE



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