

Product datasheet for PH315593

HGF (NM_000601) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HGF MS Standard C13 and N15-labeled recombinant protein (NP_000592)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215593
Predicted MW:	83.13 kDa
Protein Sequence:	>RC215593 representing NM_000601 Red=Cloning site Green=Tags(s)
	MWVTKLLPALLLQHVLLHLLLLPIAIPYAEQQRKRRNTIHEFKKSAKTTLIKIDPALKIKTKKVNTADQC ANRCTRNGKLPFTCKAFVFDKARKQCLWFPNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGTV SITKSGIKCQPWSSMIPHEHSFLPSSYRGKDLQENYCRNPRGEEGGPWCFTSNPEVRYEVCIPQCSEVE CMTNCGESYRGLMDHTESGKICQRWDHQTPHRHKFLPERYPDKGFDNYCRNPDGQPRPWCYTLDPHTRW EYCAIKTCADNTMNDTDVPLETTECIQGQGEYRGTVNTIWNIGPCQRWDSQYPHEHDMTPENFKCKDLR ENYCRNPDGSESPWCFTTDPNIRVGYCSQIPNCDMSHGQDCYRNGKNYMGNLSQTRSGLTCSMWDKNME DLHRHIFWEPDASKLNENYCRNPDDDAHGPWCYTG NPLIPWDYCPISRCEGDTTPTIVNLDHPVISC AKT KQLRVVNGIPTRTNI GWMVSLRYRNKHI CGGSLIKESWVLTARQCFPSRDLKDYEAWLGIHDVHGRGDEK CKQVLNVSQLVYGPESDLVLMKLARPAVLDDFVSTIDL PNYGCTIPEKTS CSVYGWYTG LINYDGLLR VAHLYIMGNEKCSQHHRGKVTLNESEICAGAEKIGSGPCEGDYGGPLVCEQHMRMVLGVI VPRGCAIP NRPGIFVRVAYYAKWIHKIILTYKVPQS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000592



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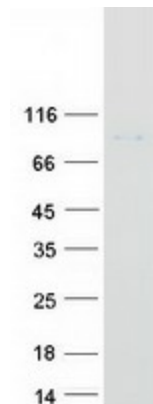
RefSeq Size:	2820
RefSeq ORF:	2184
Synonyms:	DFNB39; F-TCF; HGFB; HPTA; SF
Locus ID:	3082
UniProt ID:	P14210
Cytogenetics:	7q21.11

Summary: 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. [provided by RefSeq, Nov 2015]

Protein Families: Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Protease, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Focal adhesion, Melanoma, Pathways in cancer, Renal cell carcinoma

Product images:



Coomassie blue staining of purified HGF protein (Cat# [TP315593]). The protein was produced from HEK293T cells transfected with HGF cDNA clone (Cat# [RC215593]) using MegaTran 2.0 (Cat# [TT210002]).