

## Product datasheet for RC220421

### HGF (NM\_001010934) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HGF (NM\_001010934) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** HGF  
**Synonyms:** DFNB39; F-TCF; HGFB; HPTA; SF  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC220421 representing NM\_001010934  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGGGTGACCAAACCTCTGCCAGCCCTGCTGCTGCAGCATGTCCTCCTGCATCTCCTCCTGCTCCCA  
 TCGCCATCCCCTATGCAGAGGGACAAAGGAAAAGAAGAAATACAATTCATGAATTCAAAAATCAGCAA  
 GACTACCCCTAATCAAAATAGATCCAGCACTGAAGATAAAAACCAAAAAAGTGAATACTGCAGACCAATGT  
 GCTAATAGATGTACTAGGAATAAAGGACTTCCATTCCTGCAAGGCTTTTGTGTTTGTATAAAGCAAGAA  
 AACAAATGCCTCTGGTCCCTTCAATAGCATGTCAAGTGGAGTAAAAAAGAATTTGGCCATGAATTTGA  
 CCTCTATGAAAACAAAGACTACATTAGAACTGCATCATTGGTAAAGGACGCAGCTACAAGGAACAGTA  
 TCTATCACTAAGAGTGGCATCAAATGTCAGCCCTGGAGTTCATGATACACACGAACACAGCTTTTTGC  
 CTTGAGCTATCGGGTAAAGACCTACAGGAAACTACTGTGAAATCCTCGAGGGGAAGAAGGGGGACC  
 CTGGTGTTCACAAGCAATCCAGAGGTACGCTACGAAGTCTGTGACATTCCTCAGTGTTCAGAAGGTAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC220421 representing NM\_001010934  
 Red=Cloning site Green=Tags(s)

MWVTKLLPALLLQHVLLHLLLLPIAIPYAEGQRKRRNTIHEFKSAKTTLIKIDPALKIKTKKVNTADQC  
 ANRCTRNGLPFTCKAFVFDKARKQCLWFPFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGRSYKGTV  
 SITKSGIKQPWSSMIPHEHSFLPSSYRGKDLQENYCRNPRGEEGWPWCFTSNPEVRYEVCDIPQCESEK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

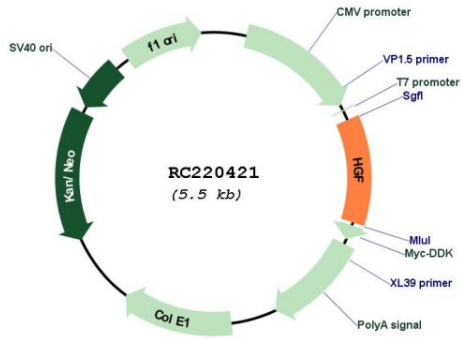


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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001010934.3</a>
<b>RefSeq Size:</b>	2079 bp
<b>RefSeq ORF:</b>	633 bp
<b>Locus ID:</b>	3082
<b>UniProt ID:</b>	<a href="#">P14210</a>
<b>Cytogenetics:</b>	7q21.11
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Protease, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Focal adhesion, Melanoma, Pathways in cancer, Renal cell carcinoma
<b>MW:</b>	24.12 kDa
<b>Gene Summary:</b>	<p>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]</p>

Product images:



Circular map for RC220421