

## Product datasheet for **RC225340**

### HDGF (NM\_001126050) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HDGF (NM_001126050) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HDGF
Synonyms:	HMG1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225340 representing NM_001126050 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCACCCGGAAGGTGGCAATTTGTGCCTCAACTCCTTGCCATCTCCTGGCTACCAAACCTCAAGCGTT  
 TCCTCCTTAGCAAAGGCGGACGTAGGGCTCAAATCCCCGACGTTTCCAGGGCCACCCCCATACGATTGA  
 CGAGATGCCTGAGGCTGCCGTGAAATCAACAGCCAACAAATACCAAGCTTTTTTTTCGGGACCCACGAG  
 ACGGCATTCTGGGCCCCAAAGACCTTCCCTTACGAGGAATCCAAGGAGAAGTTTGGCAAGCCCAACA  
 AGAGGAAAGGTTTCAGCGAGGGGCTGTGGGAGATCGAGAACACCCTACTGTCAAGGCTTCCGGCTATCA  
 GTCCTCCCAGAAAAAGAGCTGTGTGGAAGAGCCTGAACCAAGAGCCGAAGCTGCAGAGGGTGACGGTGAT  
 AAGAAGGGGAATGCAGAGGGCAGCAGCGACGAGGAAGGAAGCTGGTCATTGATGAGCCAGCCAAGGAGA  
 AGAACGAGAAAGGAGCGTTGAAGAGGAGAGCAGGGGACTTGCTGGAGGACTCTCCTAAACGTCCCAGGA  
 GGCAGAAAACCCTGAAGGAGAGGAGAAGGAGGCAGCCACCTTGAGAGTTGAGAGGCCCCCTTCCTATGGAG  
 GTGGAAAAGAATAGCACCCCTCTGAGCCCGGCTCTGGCCGGGGCCCTCCCCAAGAGGAAGAAGAAGAGG  
 AGGATGAAGAGGAAGAGGCTACCAAGGAAGATGCTGAGGCCCCAGGCATCAGAGATCATGAGAGCCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >RC225340 representing NM\_001126050  
 Red=Cloning site Green=Tags(s)

MHPEGGQFVPQLLGHLLATKLKRFLLSKGGRRQIPDVSRAPTHTIDEMPEAAVKSTANKYQVFFFGTHE  
 TAFLGPKDLFPYEESEKFKGPNKRKGFSEGLWEIENPTVKASGYQSSQKKSCVEEPEPEAAEGDGD  
 KKGNAEGSSDEEGKLVIDEPAKEKNEKGALKRRAGDLLDSPKRPKEAENPEGEEKEAATLEVERPLPME  
 VEKNSTPSEPGSGRPPQEEEEEEDEEEATKEDAEAPGIRDHESL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_001126050

**ORF Size:** 768 bp

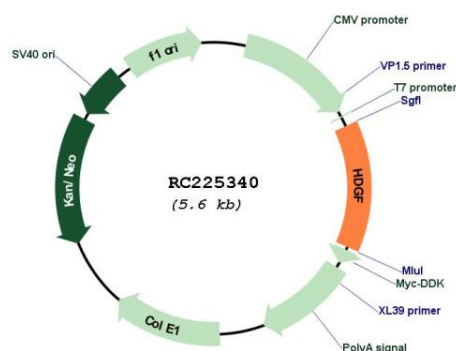
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001126050.1</a> , <a href="#">NP_001119522.1</a>
<b>RefSeq ORF:</b>	771 bp
<b>Locus ID:</b>	3068
<b>UniProt ID:</b>	<a href="#">P51858</a>
<b>Cytogenetics:</b>	1q23.1
<b>MW:</b>	28.1 kDa
<b>Gene Summary:</b>	This gene encodes a member of the hepatoma-derived growth factor family. The encoded protein has mitogenic and DNA-binding activity and may play a role in cellular proliferation and differentiation. High levels of expression of this gene enhance the growth of many tumors. This gene was thought initially to be located on chromosome X; however, that location has been determined to correspond to a related pseudogene. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jan 2016]

## Product images:



Circular map for RC225340