

## 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  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC225340 representing NM\_001126050  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCCCGAAGGTGGCCAATTTGTGCCTCAACTCCTTGCCATCTCCTGGCTACCAAACAAGCGTT  
TCCTCCTTAGCAAAGGCGGACGTAGGGCTCAAATCCCCGACGTTTCCAGGGCCACCCCCATACGATTGA  
CGAGATGCCTGAGGCTGCCGTGAAATCAACAGCCAACAAATACCAAGTCTTTTTTTTCGGGACCCACGAG  
ACGGCATTCTCGGCCCCAAAGACCTCTTCCCTTACGAGGAATCCAAGGAGAAGTTTGGCAAGCCCAACA  
AGAGGAAAGGGTTCAGCGAGGGGCTGTGGGAGATCGAGAACAACCTACTGTCAAGGCTTCCGGCTATCA  
GTCCTCCAGAAAAAGAGCTGTGTGGAAGAGCCTGAACCAGAGCCGAAGCTGCAGAGGGTGACGGTGAT  
AAGAAGGGGAATGCAGAGGGCAGCAGCGACGAGGAAGGGAAGCTGGTCATTGATGAGCCAGCCAAGGAGA  
AGAACGAGAAAGGAGCGTTGAAGAGGAGAGCAGGGGACTTGTGGAGGACTCTCCTAAACGTCCCAAGGA  
GGCAGAAAACCTGAAGGAGAGGAGAAGGAGGCAGCCACCTTGGAGGTTGAGAGGCCCTTCTATGGAG  
GTGGAAAAGAATAGCACCCCTCTGAGCCCGGCTCTGGCCGGGGCTCCCAAGAGGAAGAAGAAGAGG  
AGGATGAAGAGGAAGAGGCTACCAAGGAAGATGCTGAGGCCCCAGGCATCAGAGATCATGAGAGCCTG

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**



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

MHPEGGQFVPQLLGHLLATKLRFLLSKGGRAQIPDVS RATPHTIDEMPEAAVKSTANKYQVFFFGTHE  
 TAF LGPKDLFPYEE SKEKFGKPNKRKGFSEGLWEIENNP TVKASGYQSSQKKSCVEEPEPEPEAAEGDGD  
 KKGNAEGSSDEEGKLV IDEPAKEKNEKGALKRRAGDLL EDSPKRPKEAENPEGEEKEAATLEVERPLPME  
 VEKNSTPSEPGSGRPPQEEEEEEDEEEATKEDAEAPGIRDHESL

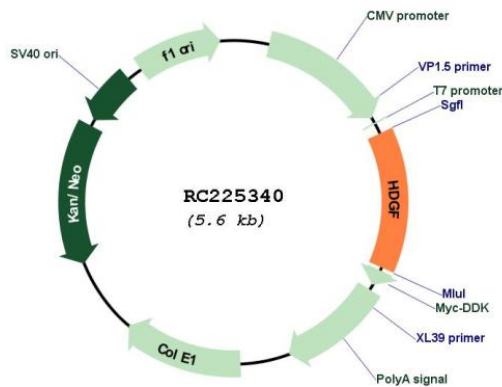
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001126050  
**ORF Size:** 768 bp

<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<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>	<p><a href="#">NM_001126050.1</a>, <a href="#">NP_001119522.1</a></p>
<b>RefSeq ORF:</b>	<p>771 bp</p>
<b>Locus ID:</b>	<p>3068</p>
<b>UniProt ID:</b>	<p><a href="#">P51858</a></p>
<b>Cytogenetics:</b>	<p>1q23.1</p>
<b>MW:</b>	<p>28.1 kDa</p>
<b>Gene Summary:</b>	<p>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]</p>