

## Product datasheet for **SC117340**

### HDGF (NM\_004494) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HDGF (NM_004494) Human Untagged Clone
Tag:	Tag Free
Symbol:	HDGF
Synonyms:	HMG1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004494, the custom clone sequence may differ by one or more nucleotides

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ATGTCGCGATCCAACCGGCAGAAGGAGTACAAATGCGGGGACCTGGTGTTCGCCAAGATGAAGGGCTACC
CACACTGGCCGGCCCGGATTGACGAGATGCCTGAGGCTGCCGTGAAATCAACAGCCAACAAATACCAAGT
CTTTTTTTTCGGGACCCACGAGACGGCATTCTGGGCCCAAAGACCTTCCCTTACGAGGAATCCAAG
GAGAAGTTTGGCAAGCCCAACAAGAGGAAAGGGTTCAGCGAGGGGCTGTGGGAGATCGAGAACAACCCTA
CTGTCAAGGCTTCCGGCTATCAGTCCTCCAGAAAAGAGCTGTGTGGAAGAGCCTGAACCAGAGCCCGA
AGCTGCAGAGGGTGACGGTGATAAGAAGGGGAATGCAGAGGCGCAGCAGCAGGGAAGGGAAGCTGGTC
ATTGATGAGCCAGCCAAGGAGAAGAACGAGAAAGGAGCGTTGAAGAGGAGAGCAGGGGACTTGCTGGAGG
ACTCTCCTAAACGTCCCAAGGAGGCAGAAAACCCCTGAAGGAGAGGAGAAGGAGGCAGCCACCTTGGAGGT
TGAGAGGCCCTTCTATGGAGGTGAAAAAGAATAGCACCCCTCTGAGCCCGGCTCTGGCCGGGGCCCT
CCCAAGAGGAAGAAGAAGGAGGATGAAGAGGAAGAGGCTACCAAGGAAGATGCTGAGCCCCAGGCA
TCAGAGATCATGAGAGCCTGTAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_004494 unedited</p> <pre>GATTTTGTACTACGATTCACATATAGGGCGGCCGACAATTTCGCACGAGGGCAGAGCGCG CACCCACCGCGCCGGAGCCTTGCCCCGATCCGCGCCCGCCCCGTCCGTGCGGGCGCGGGG CGGAGACGCCGTGGCCGCGCCGAGCTCGGGCCGGGGCCACCATCGAGGCGGGGGCCCG GCGAGGGCCGGAGCGGAGCGGCCGCCACCGCCGACGCGCAAACCTGGGCTCGCGCTT CCCGCCCCGCGCGGAGCCCGGGGCGCCCGGAGCCCGCCATGTCGCGATCCAACCGGCA GAAGAGTACAAATGCGGGGACCTGGTGTTCGCCAAGATGAAGGGCTACCCACACTGGCC GGCCCCGATTGACGAGATGCCTGAGGCTGCCGTGAAATCAACAGCCAACAATAACCAAGT CTTTTTTCGGGACCCACGAGACGGCATTCTGGGCCCAAGACCTCTTCCCTTACGAG GAATCCAAGGAGAAGTTTGGCAAGCCCAACAAGAGGAAAGGGTTCAGCGAGGGGTGTGG GAGATCGAGAACAACCTACTGTCAAGGCTTCCGGCTATCAGTCTCCAGAAAAAGAGC TGTGTGGAAGAGCCTGAACCAGAGCCCGAAGCTGCAGAGGGTGACGGTGATAAGAAGGG AATGCAGAGGGCAGCAGCGACGAGGAAGGAAGCTGGTCATTGATGAGCCAGCCAAGGAG AAGAACGAGAAAGAGCGTTGAAGAAGAGAGCAGGGGACTTGCTGGAGGACTCTCCTAAA CGTCCCAAGGAGGCAGAAAACCTGAAAGGAGAGAGAAGGAGGGCAGCCACTTGGNAGGT TGAGAAGCCCCCTTCTATGGGAGGTGAAAAGAATAAGCACCCCT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_004494 unedited</p> <pre>AATTTANAGTCGAGTTTTTTTTTTTTTTTTTAGTAATCAACGGGTTTTATTTTCTAGA ACTGAAATCATCTACGGTCTCAGAGCTAAACTTCCAAAGCTACAGTCAGCAATTTTTCA TCAGAGCCCAAGGGAGAGGGGCCAGGGTAAAAGAGACGAGACTGTAGAGAGGCATAGAGA GACCACTAGGAAGAGGGTGGGAGAGGGCACTTATTTCTCTCTGCTCTCAGTGGGTAC AAATCAGATCTGGTGACAACACTGAGGGGGCCAGGTCAGGGTATGTGGATGAGAAATGAC ACTGGAAGGAACATCAAAGCCCCAGCTACAAAAAGAAAGTCATCAAGCCCCAAATAGAAG GGGAGCCTCCAGTGACCTCAGAAATGGGGCCACCGATGGGGAAGGAGCACAATGGAGA GCACACAAAGGGTTAGGGGTCTTTAAAATTTTTTTTTTGTAAATTTCTTTTATTAACAA TTTCTAAAAATGTGTCTTTTTCTTTATGTCTGGGTGATATATGACTATAAGCTGG CCTTGAGCACTGTGTGGAGAGGAAAAAGGACAGCTAGGAGTCTTCCCAAGCTTCTATTTG GGCCTTACAATCTAAAGGGGACGATGCTCACACTCCCACCAATGGTTAAGTCAACCC TTAGGTCTAAGTTCTTGGCCCCAAAACCTGAAGCCCCAATTTCTTGAGATAACTACACT CCAAATTTCTGGTTCGTAAGAAAAAGGGGTGCTATCTTAGGATTTTGGGAAGAAGCCTC TCCTAAAACGGTCCCATTTCCTGTATTTAGCCCCCTGGATTTTGGGGTTCAGGGGCAAGGC CTCTAAGGAGTCTCCCTTCTGTTGTCCACCCCTTTGGGAGTTTCTTCCCGGCACCAA CCCCCTCTGTTAGTCTCCCTTTCTTCTATCCGGCCACCAAGTATTTTTTTTCTATCTC TACTGGTTT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004494
<b>Insert Size:</b>	2390 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>RefSeq:</b>	<a href="#">NM_004494.1</a> , <a href="#">NP_004485.1</a>
<b>RefSeq Size:</b>	2376 bp
<b>RefSeq ORF:</b>	723 bp
<b>Locus ID:</b>	3068
<b>UniProt ID:</b>	<a href="#">P51858</a>
<b>Cytogenetics:</b>	1q23.1
<b>Domains:</b>	PWWP
<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> <p>Transcript Variant: This variant (1) differs in the 5' UTR and coding sequence and uses an alternate in-frame splice junction compared to variant 4. The resulting isoform (a) has a shorter and distinct N-terminus and lacks an alternate internal segment compared to isoform d.</p>