

Product datasheet for **SC320791**

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)



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Fully Sequenced ORF: >OriGene sequence for NM_004494 edited
 ACGAGGGCGCGGGCGGAGACGCCGTGGCCGCGCCGGAGCTCGGGCCGGGGCCACCATCG
 AGGCGGGGGCCGCGGAGGGCCGGAGCGGAGCGGCGCCGCCACCGCCGCACGCGCAAAC
 TGGGCTCGCGCTTCCCGGCCGGCGGAGCCGGGGCGCCGGAGCCCCGCCATGTCGC
 GATCCAACCGGCAGAAGGAGTACAAATGCGGGGACCTGGTGTTCGCCAAGATGAAGGGCT
 ACCCAGACTGGCCGGCCGGATTGACGAGATGCCTGAGGCTGCCGTGAAATCAACAGCCA
 ACAAAACCAAGTCTTTTTTTTCGGGACCACGAGACGGCATTCTGGGCCCAAGACC
 TCTTCCCTTACGAGGAATCCAAGGAGAAGTTTGCAAGCCCAACAAGAGAAAGGGTTCA
 GCGAGGGGCTGTGGGAGATCGAAAAACAACCTACTGTCAAGGCTTCCGGCTATCAGTCCT
 CCCAGAAAAAGAGCTGTGTGGAAGAGCCTGAACCAGAGCCGAAGCTGCAGAGGGTGACG
 GTGATAAGAAGGGGAATGCAGAGGGCAGCAGCGACGAGGAAGGGAAGCTGGTCATTGATG
 AGCCAGCCAAGGAGAAGAACGAGAAAGGAGCGTTGAAGAGGAGAGCAGGGGACTTGCTGG
 AGGACTCTCTAAACGTCCAAGGAGGCAGAAAACCTGAAGGAGAGGAGAAGGAGGCAG
 CCACCTTGGAGGTTGAGAGGCCCTTCTATGGAGGTGAAAAGAATAGCACCCCTCTG
 AGCCCGGCTCTGGCCGGGGCCCTCCCAAGAGGAAGAAGAAGAGGAGGATGAAGAGGAAG
 AGGCTACCAAGGAAGATGCTGAGGCCCCAGGCATCAGAGATCATGAGAGCCTGTAGCCAC
 CAATGTTTCAAGAGGAGCCCCACCTGTTCTGCTGCTGTCTGGGTGCTACTGGGGAAA
 CTGGCCATGGCCTGCAAACCTGGGAACCCCTTCCACCCCAACCTGCTCTCTCTTCTAC
 TCACTTTTCCACTCCAAGCCAGCCATGGAGATTGACCTGGATGGGGCAGGCCACCTG
 GCTCTCACCTCTAGTCCCATACTCTATGATCTGAGTCAGAGCCATGTCTTCTCCCTG
 GAATGAGTTGAGGCCACTGTGTTCCCTCCGCTTGGGAGGGGAATCCTCAAATGCGGGGT
 GGGGGCAGCACAGGAGGGCGGCCTCCTTCTGAGCTCCTGTCCCCTGCTACACCTATTATC
 CCAGCTGCCTAGATTCAGGAAAGTGGGACAGCTTGAGGGGAGGGGCTCCTTTCCATAA
 ATCCTTGATGATTGACAACACCCATTTTTCTTTTGCAGCCCAAGAGTTTTGGGAGTT
 GTAGTTAATCATCAAGAGAATTTGGGGCTTCCAAGTTGTTGCGGGCCAAGGACCTGAGACC
 TGAAGGGTTGACTTTACCCATTTGGGTGGGAGTGTGAGCATCTGTCCCCTTTAGATCT
 CTGAAGCCACAAATAGGATGCTTGGGAAGACTCCTAGCTGTCTTTTTCTCTCCACACA
 GTGCTCAAGGCCAGCTTATAGTCATATATACCCAGACATAAAGGAAAAGACACATTT
 TTTAGGAAATGTTTTAATAAAAAGAAAATTACAAAAAAAATTTTAAAGACCCCTAACCC
 TTTGTGTGCTCTCCATTCTGCTCCTTCCCATCGTTGCCCCATTTCTGAGGTGCACTGG
 GAGGCTCCCTTCTATTTGGGGCTTGATGACTTTCTTTTGTAGCTGGGGCTTTGATGTT
 CCTTCCAGTGTCATTTCTCATCCACATACCCTGACCTGGCCCCCTCAGTGTGTACCAG
 ATCTGATTTGTAACCCACTGAGAGGACAGAGAGAAATAAGTGCCCTCTCCACCCCTTCT
 CTAAGTGTCTCTATGCCTCTCTACAGTCTCGTCTTTTACCCTGGCCCTCTCCCTT
 GGGCTCTGATGAAAAATTGCTGACTGTAGCTTTGGAAGTTAGCTCTGAGAACCGTAGAT
 GATTTTCAGTTCAGGAAAATAAAACCCGTTGATTACTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004494

Insert Size: 2100 bp

OTI Disclaimer: 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_004494.1, NP_004485.1</u>
RefSeq Size:	2376 bp
RefSeq ORF:	723 bp
Locus ID:	3068
UniProt ID:	<u>P51858</u>
Cytogenetics:	1q23.1
Domains:	PWWP
Gene Summary:	<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>