

Product datasheet for **SC322909**

HDGF (NM_001126051) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDGF (NM_001126051) Human Untagged Clone
Tag:	Tag Free
Symbol:	HDGF
Synonyms:	HMG1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001126051, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCAGAGGGCAGGCGGAAACCGTGTACAGACGTCCACACTTAACTGCGCTGGGGCCGCGGTATTG
ACGAGATGCCTGAGGCTGCCGTGAAATCAACAGCCAACAATACCAAGTCTTTTTTTTCGGGACCCACGA
GACGGCATTCTGGGCCCAAAGACCTCTCCCTTACGAGGAATCCAAGGAGAAGTTTGGCAAGCCCAAC
AAGAGGAAAGGGTTCAGCGAGGGGCTGTGGGAGATCGAGAACAACCTACTGTCAAGGCTTCCGGCTATC
AGTCTCCAGAAAAAGAGCTGTGTGGAAGAGCCTGAACCAGAGCCCGAAGCTGCAGAGGGTGACGGTGA
TAAGAAGGGGAATGCAGAGGGCAGCAGCGACGAGGAAGGAAGCTGGTCATTGATGAGCCAGCCAAGGAG
AAGAACGAGAAAGGAGCGTTGAAGAGGAGAGCAGGGGACTTGCTGGAGGACTCTCCTAAACGTCCCAAGG
AGGCAGAAAACCTGAAGGAGAGGAGAAGGAGGCAGCCACCTTGAGGTTGAGAGGCCCTTCTATGGA
GGTGGAAAAGAATAGCACCCCTCTGAGCCCGGCTCTGGCCGGGGCCTCCCAAGAGGAAGAAGAAGAG
GAGGATGAAGAGGAAGAGGCTACCAAGGAAGATGCTGAGGCCCCAGGCATCAGAGATCATGAGAGCTGT
AG
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Restriction Sites:	Please inquire
ACCN:	NM_001126051



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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 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 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:

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: [NM_001126051.1](#), [NP_001119523.1](#)

RefSeq Size: 2183 bp

RefSeq ORF: 702 bp

Locus ID: 3068

UniProt ID: [P51858](#)

Cytogenetics: 1q23.1

Gene Summary:

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]

Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence and uses an alternate in-frame splice junction compared to variant 4. The resulting isoform (c) has a shorter and distinct N-terminus and lacks an alternate internal segment compared to isoform d.