

Product datasheet for **SC334745**

HMGCLL1 (NM_001287746) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | HMGCLL1 (NM_001287746) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | HMGCLL1 |
| Synonyms: | bA418P12.1; er-cHL |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001287746, the custom clone sequence may differ by one or more nucleotides |

ATGGCTGATCAGCTGAAGTAATGAAAGGCATTCATCAATATCCAGGAGTTCGCTATCCTGTCCTTACTC
 CTAATCTTCAGGGTTTTACCATGCTGTTGCTGCTGGAGCTACTGAGATATCAGTTTTGGAGCTGCATC
 TGAATCCTTTAGCAAGAAGAATATTAAGTGTCCATTGAAGAAAGTATGGGAAAATTTGAGGAGTTGTT
 AAGTCTGCAAGACACATGAATATCCAGCACGAGGGTATGTGCTTGTGCTCTGGGCTGTCCATATGAAG
 GAAGTATTACACCGCAAAAAGTGACAGAAGTGTCTAAGAGATTGTACGGCATGGGTTGTTATGAGATCTC
 TCTAGGAGACACAATTGGAGTGGGAAGTCCAGGAAGTATGAAAAGAATGTTGGAAAGTGTGATGAAAGAA
 ATCCCACAGGTGCTCTTGCTGTTCAGTGTGACACATACGGACAAGCCTTAGCAAATATCCTTACGG
 CCCTTCAGATGGGAATTAATGTGGTGGACTCCGCAGTATCCGGATTAGGTGGCTGCCCTTAGCAAAGG
 TGCTTCTGGGAATGTAGCCACTGAGGATTTGATATATGCTTAATGGCCTGGGGCTCAATACAGGTGTG
 AATCTATACAAAGTGATGGAAGCTGGTGACTTTATTTGCAAAGCTGTGAATAAAACCACAACTCTAAAG
 TAGCACAAGCCTCCTTCAATGCTTGA

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| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_001287746 |
| 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). |


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| 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_001287746.1, NP_001274675.1</u> |
| RefSeq Size: | 2577 bp |
| RefSeq ORF: | 726 bp |
| Locus ID: | 54511 |
| UniProt ID: | <u>Q8TB92</u> |
| Cytogenetics: | 6p12.1 |
| Gene Summary: | <p>Non-mitochondrial 3-hydroxymethyl-3-methylglutaryl-CoA lyase that catalyzes a cation-dependent cleavage of (S)-3-hydroxy-3-methylglutaryl-CoA into acetyl-CoA and acetoacetate, a key step in ketogenesis, the products of which support energy production in nonhepatic animal tissues.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform d, which is shorter at the N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |