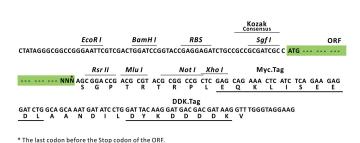


Product datasheet for RC210090L3

HMGCS1 (NM_002130) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: HMGCS1 (NM_002130) Human Tagged Lenti ORF Clone Tag: Myc-DDK Symbol: HMGCS1 HMGCS Synonyms: Mammalian Cell Puromycin Selection: Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092) E. coli Selection: Chloramphenicol (34 ug/mL) The ORF insert of this clone is exactly the same as(RC210090). **ORF** Nucleotide Sequence: **Restriction Sites:** Sgfl-Rsrll **Cloning Scheme:** Cloning sites used for ORF Shuttling: ORF Sqf I Rsr II ---- GCG ATC GC C ATG --- // --- NNN AG C GGA CCG --



ACCN: ORF Size:

NM_002130

1560 bp

OriGene Technologies, Inc.

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ORIGENE HMGCS1 (NM_002130) Human Tagged Lenti ORF Clone – RC210090L3	
OTI Disclaimer:	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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 002130.4</u>
RefSeq Size:	5391 bp
RefSeq ORF:	1563 bp
Locus ID:	3157
UniProt ID:	<u>Q01581</u>
Cytogenetics:	5p12
Domains:	HMG_CoA_synt
Protein Families:	Druggable Genome
Protein Pathways:	Butanoate metabolism, Metabolic pathways, Synthesis and degradation of ketone bodies, Terpenoid backbone biosynthesis, Valine, leucine and isoleucine degradation
MW:	57.3 kDa
Gene Summary:	This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.[UniProtKB/Swiss-Prot Function]

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