

Product datasheet for SR302145

OriGene Technologies, Inc.

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HMGCL Human siRNA Oligo Duplex (Locus ID 3155)

Product data:

Product Type: siRNA Oligo Duplexes

HPLC purified **Purity:**

Quality Control: Tested by ESI-MS

Available with shipment Sequences:

Stability: One year from date of shipment when stored at -20°C.

of transfections: Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final

conc. 10 nM).

Note: Single siRNA duplex (10nmol) can be ordered.

RefSeq: NM 000191, NM 001166059

UniProt ID: P35914

Synonyms: HL

Components: HMGCL (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 3155)

Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol

Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml

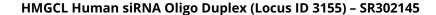
The protein encoded by this gene belongs to the HMG-CoA lyase family. It is a mitochondrial **Summary:**

> enzyme that catalyzes the final step of leucine degradation and plays a key role in ketone body formation. Mutations in this gene are associated with HMG-CoA lyase deficiency.

Alternatively spliced transcript variants encoding different isoforms have been found for this

gene. [provided by RefSeq, Oct 2009]







Performance Guaranteed:

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled siRNA control (quantitative RT-PCR data required).