

Product datasheet for SR305438

OriGene Technologies, Inc.

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CDC45L (CDC45) Human siRNA Oligo Duplex (Locus ID 8318)

Product data:

Product Type: siRNA Oligo Duplexes

Purity: HPLC purified

Quality Control: Tested by ESI-MS

Sequences: Available with shipment

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 001178010, NM 001178011, NM 003504, NM 001369291, NR 161281

UniProt ID: <u>075419</u>

Synonyms: CDC45L; CDC45L2; MGORS7; PORC-PI-1

Components: CDC45 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 8318)

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

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

Summary: The protein encoded by this gene was identified by its strong similarity with Saccharomyces

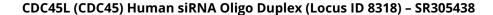
cerevisiae Cdc45, an essential protein required to the initiation of DNA replication. Cdc45 is a

member of the highly conserved multiprotein complex including Cdc6/Cdc18, the

minichromosome maintenance proteins (MCMs) and DNA polymerase, which is important for early steps of DNA replication in eukaryotes. This protein has been shown to interact with MCM7 and DNA polymerase alpha. Studies of the similar gene in Xenopus suggested that this protein play a pivotal role in the loading of DNA polymerase alpha onto chromatin. Alternate

splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]







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).