

Product datasheet for SR320495

OriGene Technologies, Inc.

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HMG1 (HMGB1) Human siRNA Oligo Duplex (Locus ID 3146)

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: <u>NM 001313892</u>, <u>NM 001313893</u>, <u>NM 002128</u>, <u>NM 001363661</u>, <u>NM 001370339</u>,

NM 001370340, NM 001370341

UniProt ID: P09429

Synonyms: HMG-1; HMG1; HMG3; SBP-1

Components: HMGB1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 3146)

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

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

Summary: This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The

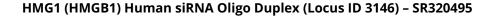
encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in

organization of DNA. This protein plays a role in several cellular processes, including

inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode

the same protein. [provided by RefSeq, Sep 2015]







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).