

Product datasheet for SR310322

OriGene Technologies, Inc.

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NCAPG2 Human siRNA Oligo Duplex (Locus ID 54892)

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 001281932</u>, <u>NM 001281933</u>, <u>NM 017760</u>, <u>NR 104054</u>

UniProt ID: Q86XI2

Synonyms: 3KS; CAP-G2; CAPG2; hCAP-G2; LUZP5; MTB

Components: NCAPG2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 54892)

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

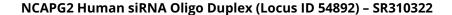
Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml

Summary: This gene encodes a protein that belongs to the Condensin2nSMC family of proteins. The

encoded protein is a regulatory subunit of the condensin II complex which, along with the condensin I complex, plays a role in chromosome assembly and segregation during mitosis.

A similar protein in mouse is required for early development of the embryo. Alternate

splicing results in multiple transcript variants. [provided by RefSeq, Aug 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).