

Product datasheet for SR407816

OriGene Technologies, Inc.

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Capzb Mouse siRNA Oligo Duplex (Locus ID 12345)

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 001037761</u>, <u>NM 001271405</u>, <u>NM 001271406</u>, <u>NM 009798</u>

UniProt ID: P47757

Synonyms: 1700120C01Rik; Al325129; Cap; Cappb1; CPB; CPB1; CPB2; CPbeat2; CPbeta1; CPbeta2

Components: Capzb (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 12345)

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 the beta subunit of a highly conserved filamentous actin capping protein

that binds the barbed end of filamentous actin to stabilize it and terminate elongation.

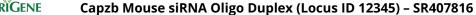
Interaction of this protein with the barbed end of the actin filament occurs through binding of the amphipathic helix at the C-terminus to the hydrophobic cleft on the actin molecule. This gene is required for a variety of dynamic actin-mediated processes including organization of lamellipodia and filopodia, growth cone morphology and neurite outgrowth in hippocampal

neurons, and asymmetric spindle migration and polar body extrusion during oocyte

 $maturation. \ Alternative \ splicing \ results \ in \ multiple \ transcript \ variants. \ [provided \ by \ RefSeq,$

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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).