

Product datasheet for **SR410676**

Bckdhb Mouse siRNA Oligo Duplex (Locus ID 12040)

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_199195
UniProt ID:	Q6P3A8
Synonyms:	BCKDE1B; BCKDH E1-beta
Components:	Bckdhb (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 12040) 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 chain of the branched chain alpha ketoacid dehydrogenase (Bckdh) complex. The encoded protein exists in a heterotetrameric complex containing the Bckdh alpha subunit to form the E1 catalytic component of Bckdh complex. The Bckdh complex catalyzes the oxidative decarboxylation of branched chain ketoacids to their corresponding acyl-CoA esters, during the catabolism of leucine, isoleucine and valine. In humans, certain mutations in this gene cause maple syrup urine disease. Alternative splicing results in multiple transcript variants encoding different isoforms. A pseudogene for this gene has been identified. [provided by RefSeq, Apr 2015]



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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).