

Product datasheet for SC204313

BCKDHB (NM_000056) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	BCKDHB (NM_000056) Human 3' UTR Clone
Symbol:	BCKDHB
Synonyms:	BCKDE1B; BCKDH E1-beta; E1B
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000056
Insert Size:	334 bp
Insert Sequence:	<p>>SC204313 3'UTR clone of NM_000056</p> <p>The sequence shown below is from the reference sequence of NM_000056. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCCGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GATGCCCTTCGAAAAATGATCAACTATTGACCATATAGAAAAGCTGGAAGATTATGACTAGATATGGAA
ATATTTTTCTGAATTTTTTTTATATTTCTCCGACTTACCTCTTTTGAAAAGAGAGTTTTTATTAA
GTGAACCATCACGATATTGGCTGAAAAGTTCTACATTCTATTATTGTATTGTAAACACACATGTATTGAT
GATTTTCATTAAGAGTTTCAGATTAACTTGAAAAATATTCCACATGGTAATCTTATAAATTCTGTTTA
ATTACATCTGTAAATATTATGTGTGTGATAGTATTCAATAAAGTAAATCAAATTGTC
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_000056.5</u>


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Summary: This gene encodes the E1 beta subunit of branched-chain keto acid dehydrogenase, which is a multienzyme complex associated with the inner membrane of mitochondria. This enzyme complex functions in the catabolism of branched-chain amino acids. Mutations in this gene have been associated with maple syrup urine disease (MSUD), type 1B, a disease characterized by a maple syrup odor to the urine in addition to mental and physical retardation and feeding problems. Alternative splicing at this locus results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Locus ID: 594

MW: 13.4