

## Product datasheet for **SC205564**

### **BCKDHA (NM\_001164783) Human 3' UTR Clone**

#### Product data:

Product Type:	3' UTR Clones
Product Name:	BCKDHA (NM_001164783) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	BCKDHA
Synonyms:	BCKDE1A; MSU; MSUD1; OVD1A
ACCN:	NM_001164783
Insert Size:	424 bp
Insert Sequence:	>SC205564 3'UTR clone of NM_001164783 The sequence shown below is from the reference sequence of NM_001164783. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCA <b>ACGATCGCC</b> CACTACCCACTGGATCACTTCGATAAG <b>TGA</b> GACCTGCTCAGCCCACCCACCCATCCTCAGCTACCCC GAGAGGTAGCCCCACTCTAAGGGGAGCAGGGGGACCTGACAGCACACCACTGTCTCCCCAGTCAGCTC CCTCTAAAATACTCAGCGCCAGGGCGGCTGCCACTCTTCAACCCCTGCTCCTCCCGGCTGTTACATTGT CAGGGGACAGCATCTGCAGCAGTTGCTGAGGCTCCGTGAGCCCTCTTACCTGTTGTTACAGTGCCT TCTCCAGGGGCTGGGTGAGGGCACATTCAGGACTAGAAGCCCTCTGGGCATGGGGTGGACATGGCAG GTCAGCCTGTGGAACCTGCGCAGGTGCGAGTGCCAGCAGAGGTCACGAATAAACTGCATCTCTGCGCC TGGCTCTCTA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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><a href="#">NM_001164783.2</a></u>



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**Summary:**

The branched-chain alpha-keto acid (BCAA) dehydrogenase (BCKD) complex is an inner mitochondrial enzyme complex that catalyzes the second major step in the catabolism of the branched-chain amino acids leucine, isoleucine, and valine. The BCKD complex consists of three catalytic components: a heterotetrameric (alpha2-beta2) branched-chain alpha-keto acid decarboxylase (E1), a dihydrolipoyl transacylase (E2), and a dihydrolipoamide dehydrogenase (E3). This gene encodes the alpha subunit of the decarboxylase (E1) component. Mutations in this gene result in maple syrup urine disease, type IA. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]

**Locus ID:**

593

**MW:**

15.4