

## Product datasheet for SC212350

### OGDH (NM\_002541) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** OGDH (NM\_002541) Human 3' UTR Clone  
**Symbol:** OGDH  
**Synonyms:** AKGDH; E1k; KGD1; OGDC; OGDH2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_002541  
**Insert Size:** 1097 bp  
**Insert Sequence:** >SC212350 3'UTR clone of NM\_002541

The sequence shown below is from the reference sequence of NM\_002541. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GACCTGGACGTCTTCAAGAACTTCTCGTAGATGCTGCCTAGGGTTGCTTGGGCCACTGCCCTCTCCACA
CCCATGACTGCCCTTGCTTCTCAACTAAAGAATAGTGCCTCAGCGCTGCCACACCACCCCTCCTC
GCTGTGCCACCACCCCTCCCTCTGCTCTCATAGGAGTTAGGCTGTCGTCCTCCAGTGTGGCTGC
CCCACAGGCCACACGCTGCCAGGCTCTGCTGACTTCTGAGCAGTTTTCCAGGAGCCGGGGGAGCAG
GAGGAGGAAAGGTAGCCCCGAGGGATGTCCTTGGGGAGGGGTCAGCTCTGGCCACAATCTCCCCACC
AGTCTCACCCACTAGGATAGGAAGTGGGCTTGTGTGCTGGCTCCGCTGTCACCCAGCAAGGCACAGG
CTCCTGTATTTGAGACTAGGATAGCTTCACTTGGCCTGAGCCTTAGAATCTGTAGAGGAGCCTGGAG
TCGGATCTAGCCATGGCTGGCAGAGGTTTCTAGGGTGGGCCCCAGCCGTGGCGTGAAGTGAAGGATGACC
CGGGGAGCTGGCAGGAGAGAGCCTTGGCCTGACCTGGCAGAGAAAGGGCAGCTTCAAGTCTGCAAGT
TCCATTATCTGCTGTTCCCTCGAGGGTTCAGGCTGTGTGTGGGGCCCAAGCATGCCCAACCCACCCCT
CCTGGGCCAGGCAGCACCTGGAGCCCACAGAGTCTGTGTGTAGCCAGGAAGCCCCGCTCAGGTAGCCA
CCACCGGGGCACTGGCTGCTCTGCTTGGTCTGTTAACCTCCACCTCCTCTTGGACTCCCTCCCC
ACCCCAACCACTTTTCTTCTCCTTTAAACCAATGGAGACTTTCTGATGCATCGTTTTCTTGGCTGTG
CCAAAGCAGGTGAGAAGAGGGAGAGGAGGGCTGGGGGTGAGGGGCCAGGCCATGGCCAAGGGGCCAGC
TGCCCTCATTTACTCTGACCTTACAGGGACAGATCTGATTTATTTATTTGGTTAAAAA
AAAAGGAACAGAAACAATTTGCATTGCATTGGCTTGACCATAAACTAAGTTATATCCGTG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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**Restriction Sites:** Sgfl-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_002541.4</a></u>
<b>Summary:</b>	This gene encodes one subunit of the 2-oxoglutarate dehydrogenase complex. This complex catalyzes the overall conversion of 2-oxoglutarate (alpha-ketoglutarate) to succinyl-CoA and CO(2) during the Krebs cycle. The protein is located in the mitochondrial matrix and uses thiamine pyrophosphate as a cofactor. A congenital deficiency in 2-oxoglutarate dehydrogenase activity is believed to lead to hypotonia, metabolic acidosis, and hyperlactatemia. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Sep 2009]
<b>Locus ID:</b>	4967
<b>MW:</b>	39.8