

Product datasheet for **SC212351**

OGDH (NM_001165036) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: OGDH (NM_001165036) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: OGDH
Synonyms: AKGDH; E1k; KGD1; OGDC; OGDH2
ACCN: NM_001165036
Insert Size: 1097 bp
Insert Sequence: >SC212351 3'UTR clone of NM_001165036
The sequence shown below is from the reference sequence of NM_001165036. 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
GACCTGGACGTCTTCAAGAACTTCTCGTAGATGCTGCCTAGGTTGCTTGGGCCACTGCCCTCTCCACA
CCCATGACTGCCCTTGCTTCTCAACTAAAGAATAGTGCCTCAGCGCTGCCACACCACCGCCCTCCTC
GCTGTGCCACCACCCCTCCCTCTGCTCTCATAGGAGTTAGGCTGTCGTCCTCCAGTGCCTGGCTGC
CCCACAGGCCACACGCTGCCAGGCTCTGCTGACTTCTGAGCAGTTTTCCAGGAGCCGGGGGAGCAG
GAGGAGGAAAGGTAGCCCCGAGGGATGTCCTTGGGGAGGGGTACAGTCTGGCCACAATCTCCCCACC
AGTCTCACCCACTAGGATAGGAACTGGCCTTGTGTGCTGGCTTCCGCTGTACCCAGCAAGGCACAGG
CTCCTGTATTTGAGACTAGGATAGCTTCATCTTGAGCCTGAGCCTTAGAATCTGTAGAGGAGCCTGGAG
TCGGATCAGCCATGGCTGGCAGAGGTTTCTAGGGTGGGCCCCAGCCGTGGCGTGAAGTGAAGGATGACC
CGGGCAGCTGGCAGGAGAGAGCCTTGGCCTGACCTGGCACAGAAAGGGCAGCTTCACTCTGCAGTG
TCCATTATCTGCTGTTCTTCGAGGGTCCAGGCTGTGTGTGGGGCCCAAGCATGCCCCACCCACCCT
CCTGGGCCAGGCAGCACCTGGAGCCCACAGAGTCTGTGTGTAGCCAGGAAGCCCGCTCAGGTAGCCA
CCACCGGGGCACTGGCTGCTCTGTCTTGTCTGTTAACCCTCCACCTCCTCTCTTGGACTCCCTCCCC
ACCCCAACCACTTTTCTCTCTTTAACCCTAATGGAGACTTTCTGATGCATCGTTTTCTTTGCTGTG
CCAAAGCAGGTCAGAAGAGGGAGAGGGGGCTGGGGGTGAGGGGCCAGGCCATGGCCAAGGGGCCAGC
TGCCCCTCATTATCACTCTGACCTTACAGGGACAGATCTGATTTATTTATTTTGGTAAAAA
AAAAGGAACAGAAACAATTTGCATTGCATTGGCTTGACCATAAACTAAGTTATATCCGTG
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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|------------------------|---|
| 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_001165036.2</u> |
| Summary: | 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] |
| Locus ID: | 4967 |
| MW: | 39.8 |