

Product datasheet for **SC210585**

D2HGDH (NM_152783) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	D2HGDH (NM_152783) Human 3' UTR Clone
Symbol:	D2HGDH
Synonyms:	D2HGD
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_152783
Insert Size:	872 bp
Insert Sequence:	<p>>SC210585 3'UTR clone of NM_152783</p> <p>The sequence shown below is from the reference sequence of NM_152783. 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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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
CCCTACAAGACGCTGCCAGCCAGGCCTCGCGGCACTCCTGCTGCTGCCAAGGCCCACTGGGGGTCGG
CGGGTGGCTCTCGGGCGGGGTGTTGCGGTGGCTCTGAGGGATGAGCCGGCAGTGGGCAGGGGACCAGG
CACCTGGTTGAAGGGACTGGGAGCCCGCACTGGGGAAGTCCGGACGCAGGCCCTCGGGCAGGAGCATC
TGGCAGAGTGGGGGGCGTGGCAGGCACCCTCCTTTGCAGGGCGAGGTGGGGCCTCTGCAGCCATCCTGG
ACAGGCCGGGGTGGCGGCAGCTTTGCCACGTGGAAGCGGGTGGGTCTCACTTGCCTGGTGGCCCTG
GCCCCATCTTGCTGCTGCGGCCTGGGGAGCAGGCGCTGGGTGGTGGTCTGCCTGCTTGCTGCTCGTT
CCCCGGGCATGCGTGGGCAGCGGGGGGCATGCGTGGGCAGCAGGGGGCGTGGGCAGCGGGGGCACGGGC
AGGACCACGTGGGCCGTGATCGTGGGTTGCCGAGAGGACCTGAGCGCTGCGGCTCTGCTGAATGGAGCC
GGGTCCCTCAGGCCGTGGACGCCCTCGGGAGGGGGGTGACTGTGGCTTGCTGTGACAGGAATGTGTC
ATTTCCACATCTTCTAGAGGGCTGCCAGCTGGGAAGACAGTTATCAGGGCAAGCTGTGCTCTGAGTTT
CGGGTTCTGCTCCTACAAAGAACGTGCGGTGCTGCGGGCGAGGGCCCCGGCACGACAAGGGCCACTGC
AGAGTGTGTTTCTGCTCGTCAGTGCCTGGGCAGCGGATGGGCTGGGCGATGCAGCTGGATGCACATC
TCATTCTGTCATGAATGTCCAGTAAAAATCTGAATTGGTTGCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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_152783.5</u>
Summary:	This gene encodes D-2hydroxyglutarate dehydrogenase, a mitochondrial enzyme belonging to the FAD-binding oxidoreductase/transferase type 4 family. This enzyme, which is most active in liver and kidney but also active in heart and brain, converts D-2-hydroxyglutarate to 2-ketoglutarate. Mutations in this gene are present in D-2-hydroxyglutaric aciduria, a rare recessive neurometabolic disorder causing developmental delay, epilepsy, hypotonia, and dysmorphic features. [provided by RefSeq, Jul 2008]
Locus ID:	728294
MW:	29.9