

Product datasheet for **SC203856**

IDH2 (NM_002168) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: IDH2 (NM_002168) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: IDH2
Synonyms: D2HGA2; ICD-M; IDH; IDHM; IDP; IDPM; mNADP-IDH
ACCN: NM_002168
Insert Size: 1251 bp
Insert Sequence: >SC203856 3'UTR clone of NM_002168
 The sequence shown below is from the reference sequence of NM_002168. 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
AACCTGGACAGAGCCCTGGCAGGCAGTAGGGGGAGGCGCCACCCATGGCTGCAGTGGAGGGGCCAGGG
CTGAGCCGGCGGGTCTCTGAGCGCGGCAGAGGGTGAGCCTCACAGCCCTCTCTGGAGCCTTTCTA
GGGGATGTTTTTTATAAGCCAGATGTTTTTAAAGCATATGTGTGTTTCCCCTCATGGTGACGTGAGG
CAGGAGCAGTGCCTTTACCTCAGCCAGTCAGTATGTTTTGCATACTGTAATTTATATTGCCCTTGAA
CACATGGTGCCATATTTAGCTACTAAAAAGCTCTTACAAAAATTGTCTGTGTTTGTCCCTGAGGGG
AGGAGGTAGTGGGACCCTGAGGCAGAGGCCCTGTAGAGCTGGCAGGTTCCCTGGGGCAGACCAGAGC
ACCTCAGGAAGGGGCTGCCACGGCAGGGAAGGGACCAGGCAGCCCTGGGAGCCCGCATTCCACAGGGGC
CCACTGCGGAGTTCTCGGACACTCAGGGCACAGGCCTGTGGGTTCCCTGGAATTTCTAGCATGATCCA
GTTTCTGTGCCAGTTCTCCATTCTGAGAGTCAATCAGTTCCTGATAGGTTGTCATTGATTTTTTTCTT
CGTTGGTTTTAACCTTCTAAACATCTCCAGGCCACTTTCTAGCCTTTTTCTAGGTAATAAAAGAGGT
CCTACCCACACCTGCCTCACACTTCTCCTTTCCAAGGCTGCCTGAGTTTGGAGGGGCTTGGGTGTGTG
GAACAAGGGCCCTGCATTGTCTAGGCCTGCAGTCCCAGGCTTGGGTTCACTTTACCATGCATTGGCA
AACTAGAAAAAGTAAAGCTTGTGACAAAATTGTTCTCGGCCGGGCACAGTGGCGCACGCCTATAATCCCTG
TACTTTGGGAGGCTGAGGTGGGTGGATCACTTGAGGCCAGGAGTTCGAGACCAGCCTGGCCAACATGGT
GAAACCCCATCTACTCAAAAATACAAAATTAGCCAGGCGTGGTGATGCGCACCTGCAGTCCCAGCTA
CTCGGGAGGCTGAGGCAGGAAAATGGCTTGAACCTGGGAGGCAGAGGTTGCAGTGAAGCCGAGACTGCAC
CACTGCACTCCAGCCTGGGTGACAGAGCAAGACTCTGTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAATTGCTATGCAAGTTTTTTAGCCCATGTAAAAGGAAAAATAAAGTTGCTCTAAAGCTACATA
TAATCAAAA
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: SgfI-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:	NM_002168.4
Summary:	Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Locus ID:	3418
MW:	46.3