

Product datasheet for **SC205018**

IDH3B (NM_006899) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	IDH3B (NM_006899) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	IDH3B
Synonyms:	RP46
ACCN:	NM_006899
Insert Size:	386 bp
Insert Sequence:	>SC205018 3'UTR clone of NM_006899

The sequence shown below is from the reference sequence of NM_006899. 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
ATCGGTCACCTGCAGACTAAAGGGAGCTAGAGCCCTTTATTTCTTCCAACCTTGCAAGGACCACACTCC
CCATACCCTTCAGTGCAGTGTACCAGGGAAGAGACCTTGTGCCTCTAAGCAGTGGACCATGGTCACCTT
GCTGGGTAGAGCCTAGGTTGTCCTTGGGCCGGCTTCCTTAGGGGACAGACTGTTGGGTGGTATGGGGA
TTGTTAGGATGGAGCCCAGGCCACATGGATGATGATTCTCCCCACAGGTTCGAACCTCTGACATG
GGTGGCTATGCTACTTGCCATGACTTCACTGAGGCTGTCATTGCTGCCTTGCCCCACCCATAGGCCCTG
TCCATACCATGTAAGGTGTTCAATAAAGAACATGAACCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

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:	<u>NM_006899.5</u>



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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. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. The protein encoded by this gene is the beta subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Sep 2016]

Locus ID:

3420

MW:

13.8