

Product datasheet for **SC215392**

IDH3A (NM_005530) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	IDH3A (NM_005530) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	IDH3A
Synonyms:	RP90
ACCN:	NM_005530
Insert Size:	2000 bp



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Insert Sequence: >SC215392 3'UTR clone of NM_005530
 The sequence shown below is from the reference sequence of NM_005530. 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
ATCTGTGCGCCGAGTAAAAGATTTAGATTAAACACTTCTACAACCTGGCATTACATCAGTCACTCTAAATG
GACACCACATGAACCTCTGTTTAGAATACCTACGTATGTATGCATTGGTTTGTCTGTTTCTTGACAGTA
CATTTTTAGATCTGGCCTTTTCTAACAAAATCTGTGCAAAAGATGCAGGTGGATGTCCCTAGGTCTGT
TTTTCAAAGAACTTTTCCAAGTCTGTTTATTTATTAAGTGTCTACCTGGTAAATGTTTTTTTGTGTA
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TTCGGTTTTTAAAAACATAATGAAAATAAACAGGATATTGACATAATAGCACAAAATGACACTCTTC
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TCTAAATGATATGAAAAATAGAGACAGATTTGTCTTTACAGAAATTAAGTGTGAATAAAAACTTC
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AGACACAAATGTATTGTGTGTTCAATTATTTGTTGTCTTGAGATTTAATATTCTTTCCAAGAGCTTTT
AATGAAGCAGAGAGCTAGTACTTCATTTTCACTGGATACATTTTCAAGCATCATGAGTTGTACAGCCTC
TGAGCCCTGATCTGAAGCCAGAAGGGCTGAGTGTATTGTAACTTATTTTGCATGTTGCTGTCTGGG
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CACCAATTACTGCCCTCGCCTCAGCAGTACCAGTATAAGATGACATTCCAAAGACTGGAGGCAACTCA
GCCTGAGTTAATTCACAAAATTATGCCATGCTGGGGCTTGAGCTTGAGCTTGGGCTTAGGCTTGGGCTC
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GGGGATTTTTTTTTTTAGCAATGATATCCCTGTCTGGGTCACTTTTTAAGCTTGTAAACGCCCCCCC
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GTCCTGTGAGTTAAATGCCCACTACTCTGCACTGGTCCACCTGCTCAATTGACAAAAAAATCAGG
TCCTTGTGACAGTTCTGTTAAAAGTTAATATTCAAATATACATTAATAGAATCAAACAGGCAGC
AGCAGTTTTATTAAGCATCAAGTCAGTTGGCATGTGGGTGGCGGAGTGCCTGGTAATGGAATAATAGG
ACGCGTAAAGCGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_005530.3](#)

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 alpha subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. [provided by RefSeq, Jul 2008]

Locus ID:

3419

MW:

75.9