OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC205656

Arginase 1 (ARG1) (NM_000045) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: Arginase 1 (ARG1) (NM_000045) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: ARG1

ACCN: NM_000045

Insert Size: 451 bp

Insert Sequence:

>SC205656 3'UTR clone of NM_000045
The sequence shown below is from the reference sequence of NM_000045. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTATTGACTACCTTAACCCACCTAAGTAAATGTGGAAACATCCGATATAAATCTCATAGTTAATGGCA
TAATTAGAAAGCTAATCATTTTCTTAAGCATAGAGTTATCCTTCTAAAGACTTGTTCTTTCAGAAAAAT
GTTTTTCCAATTAGTATAAACTCTACAAATTCCCTCTTGGTGTAAAATTCAAGATGTGGAAATTCTAAC
TTTTTTGAAATTTAAAAGCTTATATTTTCTAACTTGGCAAAAGACTTATCCTTAGAAAGAGAAGTGTAC
ATTGATTTCCAATTAAAAATTTGCTGGCATTAAAAATAAGCACACTTACATAAGCCCCCATACATAGAG
TGGGACTCTTGGAATCAGGAGACAAAGCTACCACATGTGGAAAGGTACTATGTGTCCATGTCATTCAAA
AAATGTGATTTTTTATAATAAACTCTTTATAACAAGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_000045.4

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Summary: Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Locus ID: 383

MW: 17.8