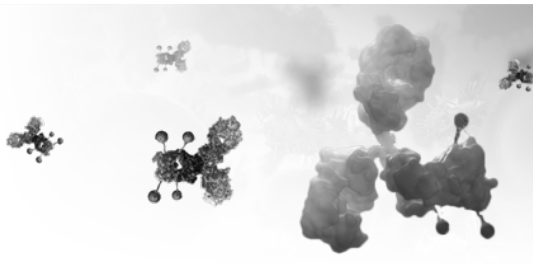

Human ARG1 peptide (DAG-P1732)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the arginase family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	ARG1 arginase 1 [Homo sapiens (human)]
Official Symbol	ARG1
Synonyms	ARG1; arginase 1; arginase-1; arginase, liver; type I arginase; liver-type arginase;
Entrez Gene ID	383

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mRNA Refseq	NM_000045.3
Protein Refseq	NP_000036.2
UniProt ID	P05089
Chromosome Location	6q23
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Biosynthesis of amino acids, organism-specific biosystem; Biosynthesis of amino acids, conserved biosystem; IL4-mediated signaling events, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and deriva
Function	arginase activity; manganese ion binding;

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