

Recombinant Human ARG1 Protein, MYC/DDK-tagged

Cat. No. ARG1-2582H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARG1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	<p>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.</p>
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	34.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	ARG1 arginase, liver [Homo sapiens]
Official Symbol	ARG1
Synonyms	OTTHUMP00000017209; arginase 1; liver-type arginase; type I arginase; arginase, liver
Gene ID	383
mRNA Refseq	NM_000045
Protein Refseq	NP_000036
MIM	608313
UniProt ID	P05089

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