

Recombinant Human ARG1 Protein, His-tagged

Cat. No. ARG1-012H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active recombinant full length human C-terminal His-tagged ARG1 protein (1-322) was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	1-322
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.
Molecular Mass	36 kDa
Purity	≥90% as determined by SDS-PAGE
Stability	≥ 1 year
Storage	At -80 centigrade.

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Storage Buffer

8 mM Phosphate buffer, pH 7.4, with 110 mM sodium chloride, 2.2 mM potassium chloride, and 20% glycerol

GENE INFORMATION
Gene Name

ARG1 arginase 1 [Homo sapiens (human)]

Official Symbol

ARG1

Synonyms

ARG1; arginase 1; arginase-1; arginase, liver; liver-type arginase; type I arginase; EC 3.5.3.1

Gene ID

383

mRNA Refseq

NM_000045

Protein Refseq

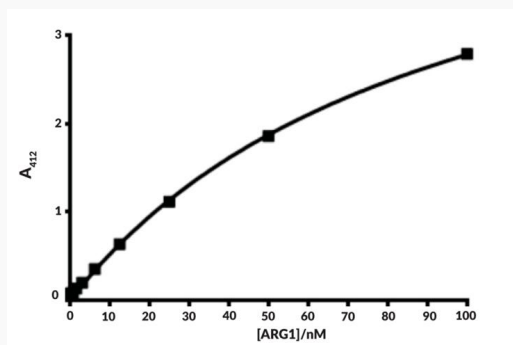
NP_000036

MIM

608313

UniProt ID

P05089

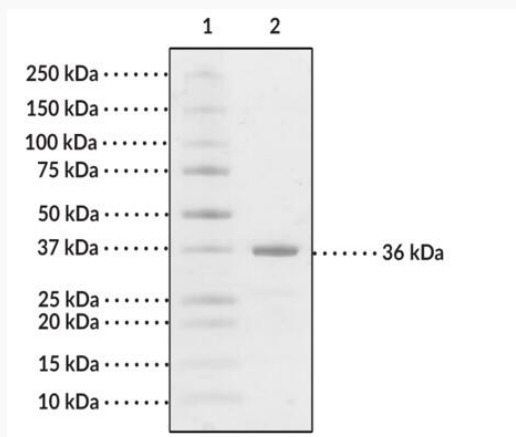
Specific Activity


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**SDS-PAGE analysis
of ARG1**



Lane 1: MW Markers

Lane 2: ARG1 (3 µg)

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