Recombinant Rabbit ARG1 Protein, His-tagged

Cat. No. ARG1-243R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rabbit ARG1 Protein (Met1-Lys322) with N-His tag was expressed in E. coli.
Species	Rabbit
Source	E.coli
ProteinLength	Met1-Lys322
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.2 kDa Accurate Molecular Mass: 40 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ARG1 arginase 1 [Oryctolagus cuniculus (rabbit)]
Official Symbol	ARG1
Synonyms	ARG1; arginase 1; arginase-1; arginase, liver; liver-type arginase; type I arginase; EC 3.5.3.1
Gene ID	100008814
mRNA Refseq	NM_001082108
Protein Refseq	NP_001075577
UniProt ID	Q95KM0

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