

Recombinant Rat Arg2 protein, His-tagged

Cat. No. Arg2-8244R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Arg2 aa. (Val23~Ile354) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Val23~Ile354
Description	Catalyzes the hydrolysis of arginine to ornithine and urea; may regulate nitric oxide production.
Form	Freeze-dried powder
Molecular Mass	37kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>98%
Characteristic	The isoelectric point is 6.1.
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Arg2 arginase 2 [Rattus norvegicus (Norway rat)]
Official Symbol	Arg2
Synonyms	Arg2; arginase 2; arginase-2, mitochondrial; All type II arginase; arginase II; arginase type II; kidney-type arginase; non-hepatic arginase; type II arginase
Gene ID	29215
mRNA Refseq	NM_019168.1
Protein Refseq	NP_062041.1

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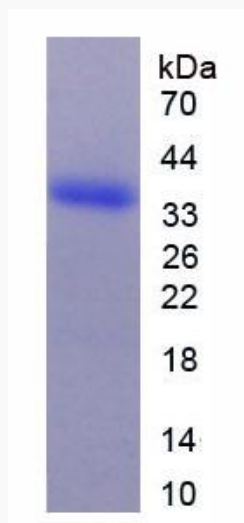
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UniProt ID

O08701

SDS-PAGE

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