

## Recombinant Rat Arg2 protein, His-tagged

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

### SPECIFICATION

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

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Arg2 arginase 2 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	<a href="#">Arg2</a>
<b>Synonyms</b>	Arg2; arginase 2; arginase-2, mitochondrial; All type II arginase; arginase II; arginase type II; kidney-type arginase; non-hepatic arginase; type II arginase
<b>Gene ID</b>	<a href="#">29215</a>
<b>mRNA Refseq</b>	<a href="#">NM_019168.1</a>
<b>Protein Refseq</b>	<a href="#">NP_062041.1</a>

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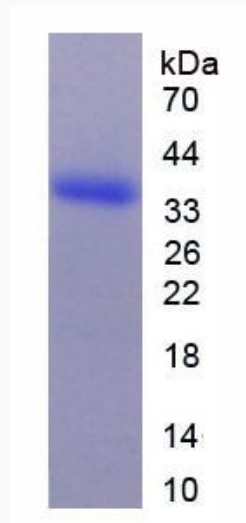
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UniProt ID

O08701

SDS-PAGE



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