

Recombinant Mouse Arg2, His-tagged, GST-tagged

Cat. No. Arg2-3621M Lot. No. (See product label)

SPECIFICATION

Product Overview	Arginase II (Arg2)
Species	Mouse
Source	E.coli
ProteinLength	354
Description	About the Marker: Effective Size Range: 10kDa to 70kDa. Protein bands: 10kDa, 14kDa, 18kDa, 22kDa, 26kDa, 33kDa, 44kDa and 70kDa. Double intensity bands: The 26kDa, 18kDa, 10kDa bands are at double intensity to make location and size approximation of proteins of interest quick and easy. Ready-to-use: No need to heat, dilute or add reducing agents before use.
Form	Supplied as lyophilized form in PBS, pH 7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	63.5kDa
Endotoxin	<1.0eu per 1ug (determined by the lal < 1.0eu)
Purity	>95%
Applications	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Notes	Small volumes of Arg2 recombinant protein may occasionally become entrapped in

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the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree 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.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name

[Arg2 arginase type II \[Mus musculus \]](#)

Official Symbol

[Arg2](#)

Synonyms

[ARG2](#); [arginase type II](#); [arginase-2, mitochondrial](#); [type II arginase](#); [kidney-type arginase](#); [non-hepatic arginase](#); [All](#); [AU022422](#);

Gene ID

[11847](#)

mRNA Refseq

[NM_009705](#)

Protein Refseq

[NP_033835](#)

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Pathway

Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem;
Arginine and proline metabolism, organism-specific biosystem; Arginine and proline
metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;
Polyamine biosyn

Function

arginase activity; hydrolase activity; hydrolase activity, acting on carbon-nitrogen (but
not peptide) bonds, in linear amidines; metal ion binding; nitric-oxide synthase
binding;

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