

Recombinant Mouse Arg2 Protein, His-tagged

Cat. No. Arg2-244M Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Mouse Arg2 Protein (Val23-Ile354) with N-His tag was expressed in E. coli. |
| Species | Mouse |
| Source | E.coli |
| ProteinLength | Val23-Ile354 |
| Description | <p>Predicted to enable arginase activity; manganese ion binding activity; and nitric-oxide synthase binding activity. Involved in several processes, including negative regulation of CD4-positive, alpha-beta T cell proliferation; negative regulation of activated CD8-positive, alpha-beta T cell apoptotic process; and negative regulation of cytokine production. Acts upstream of or within striated muscle contraction and ureteric bud development. Located in mitochondrion. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; integumental system; and sensory organ. Human ortholog(s) of this gene implicated in asthma. Orthologous to human ARG2 (arginase 2).</p> |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 37.7 kDa Accurate Molecular Mass: 37 kDa |
| Purity | > 90% |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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 | 100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

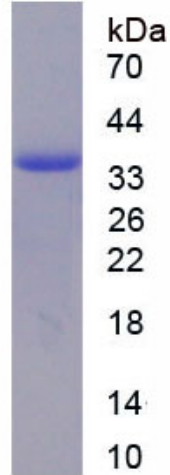
GENE INFORMATION

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| Gene Name | Arg2 arginase type II [Mus musculus (house mouse)] |
| 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 |
| UniProt ID | O08691 |

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