# Recombinant Mouse ARG, His-tagged

**Cat. No.** ARG-3620M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Arginase (ARG) |
| **Species** | Mouse |
| **Source** | E.coli |
| **ProteinLength** | 323 |
| **Description** | About the Marker: Effective Size Range: 10kDa to 70kDa.Protein bands: 10kDa, 14kDa, 18kDa, 22kDa, 26kDa, 33kDa, 44kDa and70kDa.Double intensity bands: The 26kDa, 18kDa, 10kDa bands are at doubleintensity to make location and size approximation of proteins of interestquick and easy.Ready-to-use: No need to heat, dilute or add reducing agents before use. |
| **Form** | Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl. |
| **Molecular Mass** | 36.3kDa |
| **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 ARG 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 targetprotein. 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 andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 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

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| **Gene Name** | Abl2 v-abl Abelson murine leukemia viral oncogene 2 (arg, Abelson-related gene) [ Mus musculus ] |
| **Official Symbol** | Abl2 |
| **Synonyms** | Arg; Abll; AA536808; Abelson tyrosine-protein kinase 2; tyrosine kinase ARG; tyrosine-protein kinase ARG; Abelson-related gene protein; tyrosine-protein kinase ABL2; abelson murine leukemia viral oncogene homolog 2 |
| **Gene ID** | 11352 |
| **mRNA Refseq** | NM_001136104 |

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| **Protein Refseq** | NP_001129576 |
| **UniProt ID** | Q4JIM5 |
| **Chromosome Location** | 1 G3-H1; 1 67.71 cM |
| **Pathway** | Axon guidance, organism-specific biosystem; ErbB signaling pathway, conserved biosystem |
| **Function** | ATP binding; manganese ion binding |

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