

## Active Recombinant Human ARG1 protein, His-tagged

Cat. No. ARG1-1256H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human Arginase 1/ARG1 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Met 1 - Lys 322 ) of human Arginase (Accession #NP_000036.2) fused with a 6xHis tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 1 - Lys 322
<b>Form</b>	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
<b>Bio-activity</b>	Measured by the production of urea during the hydrolysis of arginine. The specific activity is >27833 pmol/min/µg.
<b>Molecular Mass</b>	38 kDa
<b>Endotoxin</b>	< 0.01 EU/µg of the protein by LAL method.
<b>Purity</b>	> 92% by SDS-PAGE.
<b>Storage</b>	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

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**Reconstitution** Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## GENE INFORMATION

**Gene Name** [ARG1 arginase, liver \[ Homo sapiens \]](#)

**Official Symbol** [ARG1](#)

**Synonyms** ARG1; arginase, liver; arginase-1; type I arginase; liver-type arginase;

**Gene ID** [383](#)

**mRNA Refseq** [NM\\_000045](#)

**Protein Refseq** [NP\\_000036](#)

**MIM** [608313](#)

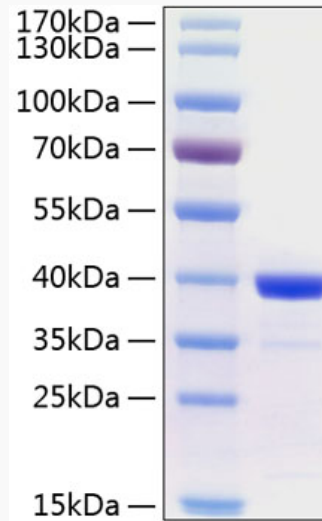
**UniProt ID** [P05089](#)

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SDS-PAGE



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