

Active Recombinant Human ARG1 protein, His-tagged

Cat. No. ARG1-3913H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ARG1 protein(P05089-1) (Met 1-Lys 322) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-322 aa
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, 20% Glycerol, 1mM DTT, pH 7.4.
Bio-activity	Measured by the production of urea during the hydrolysis of arginine. The specific activity is >35,000 pmoles/min/μg.
Molecular Mass	The secreted recombinant human ARG1 consists of 333 amino acids and has a calculated molecular mass of 36.2 kDa. The apparent molecular mass of the protein is approximately 40 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

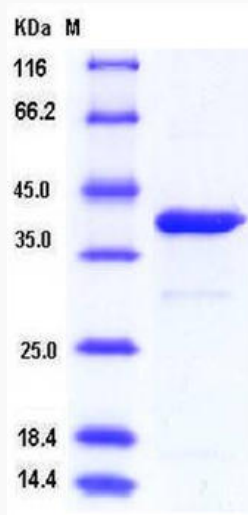
UniProt ID P05089

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SDS-PAGE



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