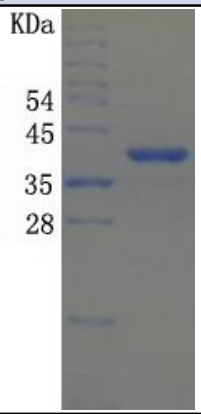
Recombinant Human ARG1 Protein Data Sheet

Catalog #	hRP-C0062-EF012
Size	100 μg
Protein Name	Human arginase-1
Protein Symbol	ARG1
Original Source	*Homo sapiens*
Expression System	*E.coli*
GenBank Accession #	NM_000045.2
Uniprot Accession #	P05089
Description	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exist(types I and II) which differ in their tissue distribution, subcellular localization, immunologic cross reactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly inthe liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia.
Application	WB, ELISA, IP, antibody production, protein array
Fusion tag	N-His
Peptide Length	337aa(including fusion tag)
Molecular Weight	36.6kDa(including fusion tag)
pI	7.5
Activity	NA
Storage	Storage buffer: 1XPBS. Store at -80°C and avoid repeated freeze-thaw cycles.
	

Reference:	• Vascular dysfunction in retinopathy-an emerging role for arginase • Structure and function of arginases • Arginase I deficiency: severe infantile presentation with hyperammonemia: more common than reported • Arginase-1: a new immunohistochemical marker of hepatocytes and hepatocellular neoplasms • Functionally important role for arginase 1 in the airway hyperresponsiveness of asthma

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