Recombinant Human ARG1 protein, GST-tagged

Cat. No. ARG1-756H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARG1 full-length ORF (AAH20653.1, 1 a.a. - 322 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 crossreactivity and physiologic function. The type I isoform encoded by this gene, is a cytosolic enzyme and expressed predominantly in the liver as a component of the urea cycle. Inherited deficiency of this enzyme results in argininemia, an autosomal recessive disorder characterized by hyperammonemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Molecular Mass	61.1 kDa
AA Sequence	MSAKSRTIGIIGAPFSKGQPRGGVEEGPTVLRKAGLLEKLKEQECDVKDYGDLPFAD IPNDSPFQIVKNPRSVGKASEQLAGKVAEVKKNGRISLVLGGDHSLAIGSISGHARVH PDLGVIWVDAHTDINTPLTTTSGNLHGQPVSFLLKELKGKIPDVPGFSWVTPCISAKD IVYIGLRDVDPGEHYILKTLGIKYFSMTEVDRLGIGKVMEETLSYLLGRKKRPIHLSFD VDGLDPSFTPATGTPVVGGLTYREGLYITEEIYKTGLLSGLDIMEVNPSLGKTPEEVT RTVNTAVAITLACFGLAREGNHKPIDYLNPPK

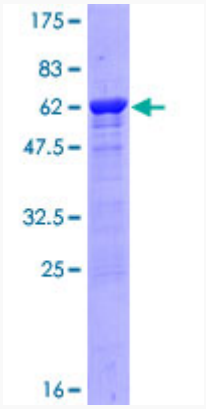
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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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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12.5% SDS-PAGE Stained with Coomassie Blue.

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