

# Recombinant Full Length Human ARG1 Protein, GST-tagged

**Cat. No.** ARG1-1185HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ARG1 full-length ORF ( AAH20653.1, 1 a.a. - 322 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	322 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	61.1 kDa
<b>AA Sequence</b>	MSAKSRTIGI IGAPFSKGQP RGGVEEGPTV LRKAGLLEKL KEQECDVKDY GDLPFADIPN DSPFQIVKNP RSVGKASEQL AGKVAEVKKN GRISLVLGGD HSLAIGSISG HARVHPDLGV IWVDAHTDIN TPLTTTSGNL HGQPVSFLK ELK GKIPDVP GFSWVTPCIS AKDIVYIGLR DVDPGEHYIL KTLGIKYFSM TEVDRLGIGK VMEETLSYLL GRKKRPIHLS FDVDGLDPSF TPATGTPVVG

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GLTYREGLYI TEEIYKTGLL SGLDIMEVNP SLGKTPEEVT RTVNTAVAIT  
LACFGLAREG NHKPIDYLNPK

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
Antibody Production; Protein Array

**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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