

Recombinant Full Length Human ARG2 Protein, GST-tagged

Cat. No. ARG2-1186HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARG2 full-length ORF (AAH29050, 1 a.a. - 354 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	354 amino acids
Description	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exists (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type II isoform encoded by this gene, is located in the mitochondria and expressed in extra-hepatic tissues, especially kidney. The physiologic role of this isoform is poorly understood; it is thought to play a role in nitric oxide and polyamine metabolism. Transcript variants of the type II gene resulting from the use of alternative polyadenylation sites have been described. [provided by RefSeq, Jul 2008]
Molecular Mass	64.68 kDa
AA Sequence	MSLRGSL SRL LQTRVHSILK KSVHSAVIG APFSQGQKRK GVEHGPAAIR EAGLMKRLSS LGCHLKDFGD LSFTPVPKDD LYNNLIVNPR SVGLANQELA EVVSRAVSDG YSCVTLGGDH SLAIGTISGH ARHCPDLCVV WVDAHADINT PLTTSSGNLH GQPVSFLLRE LQDKVPQLPG FSWIKPCISS ASIVYIGLRD VDPPEHFILK NYDIQYFSMR DIDRLGIQKV MERTFDLLIG KRQRPIHLSF

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DIDAFDPTLA PATGTPVVGG LTYREGMYIA EEIHNTGLLS ALDLVEVNPQ
LATSEEEAKT TANLAVDVIA SSFGQTREGG HIVYDQLPTP SSPDESENQA RVRI

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

[ARG2 arginase, type II \[Homo sapiens \]](#)

Official Symbol

[ARG2](#)

Synonyms

ARG2; arginase, type II; arginase-2, mitochondrial; arginase 2; kidney arginase; type II arginase; nonhepatic arginase; kidney-type arginase; non-hepatic arginase; L-arginine ureahydrolase; L-arginine amidinohydrolase

Gene ID

[384](#)

mRNA Refseq

[NM_001172](#)

Protein Refseq

[NP_001163](#)

MIM

[107830](#)

UniProt ID

[P78540](#)

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