

Arginase-2/ARG2 Protein, Human (His)

Cat. No.:	HY-P7603
Synonyms:	rHuArginase-2, His; ARG2; Arginase-2
Species:	Human
Source:	E. coli
Accession:	P78540 (H24-G330)
Gene ID:	384
Molecular Weight:	Approximately 33.0 kDa

PROPERTIES

AA Sequence	<pre> H S V A V I G A P F S Q G Q K R K G V E H G P A A I R E A G L M K R L S S L G C H L K D F G D L S F T P V P K D D L Y N N L I V N P R S V G L A N Q E L A E V V S R A V S D G Y S C V T L G G D H S L A I G T I S G H A R H C P D L C V V W V D A H A D I N T P L T T S S G N L H G Q P V S F L L R E L Q D K V P Q L P G F S W I K P C I S S A S I V Y I G L R D V D P P E H F I L K N Y D I Q Y F S M R D I D R L G I Q K V M E R T F D L L I G K R Q R P I H L S F D I D A F D P T L A P A T G T P V V G G L T Y R E G M Y I A E E I H N T G L L S A L D L V E V N P Q L A T S E E E A K T T A N L A V D V I A S S F G Q T R E G G H H H H H H </pre>
Biological Activity	Data is not available.
Appearance	Solution
Formulation	Supplied as a 0.2 µm filtered solution of 50 mM HEPES, 150 mM NaCl, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Arginase catalyzes the hydrolysis of arginine to ornithine and urea. At least two isoforms of mammalian arginase exists (Arginase-1, Arginase-2) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. Arginase-2 is located in the mitochondria and expressed in extra-hepatic tissues, especially kidney ^[1] .
------------	--

REFERENCES

[1]. Yiming Zhang, et al. Hepatic arginase 2 (Arg2) is sufficient to convey the therapeutic metabolic effects of fasting. Nat Commun. 2019 Apr 8;10(1):1587.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA