

Datasheet for ABIN7318704 **ARG2 Protein (His tag)**

[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	ARG2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARG2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Arginase-2/ARG2 Protein (His Tag)
Sequence:	His24-Gly330
Characteristics:	Recombinant Human Arginase-2, mitochondrial is produced by our E.coli expression system and the target gene encoding His24-Gly330 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ARG2
Alternative Name:	Arginase-2 (ARG2 Products)
Background:	Background: Arginase-2 (ARG2) is a member of the arginase family. Arginase is a manganese-containing enzyme which catalyzes the hydrolysis of arginine to ornithine and urea. ARG2 is highly expressed in kidney and prostate, not founded in the liver, heart and pancreas. ARG2 has

Target Details

been implicated in the regulation of the arginine/ornithine concentrations in the cell. ARG2 may take part in the regulation of extra-urea cycle arginine metabolism and in down-regulation of nitric oxide synthesis. The extrahepatic arginase functions to regulate L-arginine bioavailability to NO synthase.

Synonym: Arginase-2, mitochondrial, Kidney-type arginase, Non-hepatic arginase, Type II arginase, ARG2

Molecular Weight: 34.2 kDa

UniProt: [P78540](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 10 mM TrisHCl, 10 mM NaCl, 1 mM β-mercaptoethanol, pH 7.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.