

## Product datasheet for AR09528PU-L

## OriGene Technologies, Inc.

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## Arginase-2 (23-354, His-tag) Human Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Arginase-2 (23-354, His-tag) human recombinant protein, 0.25 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MVHSVAVIGA PFSQGQKRKG VEHGPAAIRE AGLMKRLSSL GCHLKDFGDL SFTPVPKDDL YNNLIVNPRS VGLANQELAE VVSRAVSDGY SCVTLGGDHS

LAIGTISGHA RHCPDLCVVW VDAHADINTP LTTSSGNLHG QPVSFLLREL QDKVPQLPGF

SWIKPCISSA SIVYIGLRDV DPPEHFILKN YDIQYFSMRD IDRLGIQKVM ERTFDLLIGK RQRPIHLSFD IDAFDPTLAP ATFTPVVGGL TYREGMYIAE EIHNTGLLSA LDLVEVNPQL ATSEEEAKTT ANLAVDVIAS

SFGQTREGGH IVYDQLPTPS SPDESENQAR VRI

Tag: His-tag
Predicted MW: 38.3 kDa
Concentration: lot specific

Purity: >95% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human ARG2, fused to His-tag at N-terminus, was expressed in E.coli and

purified by using conventional chromatography

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**RefSeq:** NP 001163

Locus ID: 384

**UniProt ID:** P78540, A0A024R6A0

Cytogenetics: 14q24.1





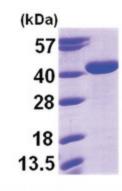
**Summary:** 

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]

**Protein Pathways:** 

Arginine and proline metabolism, Metabolic pathways

## **Product images:**



15% SDS-PAGE (3ug)