

Product datasheet for **AR09528PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	Arginase-2 (23-354, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MVHSVAVIGA</u> PFSQGQKRKG VEHGPA Aire AGLMKRLSSL GCHLKDFGDL SFTPVPKDDL YNNLIVNPRS VGLANQELAE VSRVSDGY SCVTLGGDHS LAIGTISGHA RHCPDLCVW VDAHADINTP LTTSSGNLHG QPVSFLLREL QDKVPQLPGF SWIKPCISSA SIVYIGLRDV DPPEHFILKN YDIQYFSMRD IDRLGIQKVM ERTFDLLIGK RQRPIHLSFD IDAFDPTLAP ATFTPVWGGL TYREGMYIAE EIHN TGLLSA 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:	<u>NP_001163</u>
Locus ID:	384
UniProt ID:	<u>P78540</u> , <u>A0A024R6A0</u>
Cytogenetics:	14q24.1



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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: