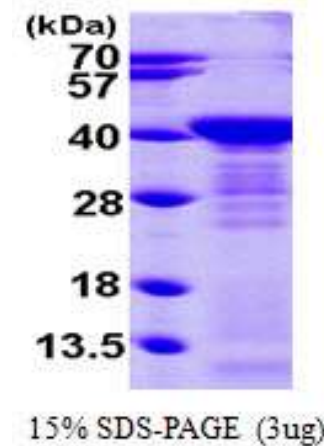


ARG1, Human Recombinant

CATALOG NO:	P1032-10	10 µg
ALTERNATE NAMES:	Arginase-1, Liver-type arginase, Type I arginase, ARG1	
SOURCE:	<i>E.coli</i>	
PURITY:	> 85% by SDS – PAGE	
MOL. WEIGHT:	The protein has a calculated MW 35.8 kDa and the target gene encoding Met 1-Lys 322 is expressed with a 6x His tag at the C-terminus.	
FORM:	Liquid	
FORMULATION:	Supplied as a 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 2 mM DTT, 100 mM NaCl	
STORAGE CONDITIONS:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.	
SEQUENCE:	MSAKSRTIGIIGAPFSKGGQPRGGVEEGPTVLRKAGLLEKLKEQEC DVVDYGDLPFADIPNDSPFQIVKNPRSVGKASEQLAGKVAEVKRI SLVLGGDHSLSAIGSISGHARVHPDLGVIVVDAHTDINTPLTTTSG NLHGQPVVSFLLKELKGIKIPDVPGFSSWVTPCISAKDIVYIGLRDVP GEHYILKTLGIKYFSMTEVDRLGIGKVMEEETLSYLLGRKKRPIHLS FDVDGLDPSFPTATGTPVVGGLTYREGLYITEEIKTGLLSGLDIM EVNPSLGKTPPEVTRTVNTAVAITLACFLAREGNHHPIDYLNPP KLEHHHHHHH	
DESCRIPTION:	Arginase is a manganese-containing enzyme which catalyzes the hydrolysis of arginine to ornithine and urea. It is the final enzyme of the urea cycle. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic function. The type I isoform functions in the urea cycle, and is located primarily in the cytoplasm of the liver. The type II isoform has been implicated in the regulation of the arginine/ornithine concentrations in the cell. It is located in mitochondria of several tissues in the body, with most abundance in the kidney and prostate. Recombinant human ARG1, fused to His-tag at C-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques.	



Human recombinant ARG1

RELATED PRODUCT:

- ARG1 Polyclonal Antibody (Cat. No. A1080-100)

FOR RESEARCH USE ONLY! Not to be used on humans.