

Product datasheet for **TP727558**

Arginase 1 (ARG1) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Arginase-1/ARG1(C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Lys322
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, 1mM DTT, pH 7.4.
Note:	Recombinant Human Arginase-1 is produced by our Mammalian expression system and the target gene encoding Met1-Lys322 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	383
UniProt ID:	P05089
Summary:	ARG1 is a member of the ureohydrolase family of enzymes. ARG1 can catalyze the hydrolysis of arginine to ornithine and urea. In the urea cycle, ARG1 catalyzes the fifth and final step, a series of biochemical reactions in mammals during which the body disposes of harmful ammonia. ARG1 is a cytosolic enzyme and expressed widely in the liver as part of the urea cycle, while it is also expressed in cells and tissues that lack a complete urea cycle, including lung. Inherited deficiency of this ARG1 causes argininemia, which is an autosomal recessive disorder characterized by hyperammonemia.



[View online »](#)