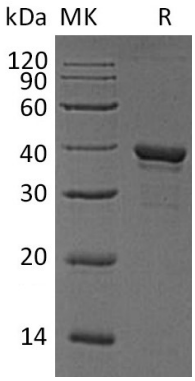
Product Name: Recombinant Human ARG1 (C-6His)
Catalog #: PHH0097

Summary

Name	Arginase-1/ARG1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P05089
Host	Human Cells
Species	Human
Predicted Molecular Mass	35.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, 1mM DTT, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Arginase-1; Liver-type arginase; Type I arginase; ARG1

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Background	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.

Note

For Research Use Only , Not for Diagnostic Use.