Datasheet for ABIN7318177

Liver Arginase Protein (His tag)

Go to Product page

Overview

Quantity:	50 μg
Target:	Liver Arginase (ARG1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Liver Arginase protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Arginase-1/ARG1 Protein (E.coli, His Tag)(Active)
Sequence:	Met 1-lys322
Characteristics:	Recombinant Human Arginase-1 is produced by our E.coli expression system and the target gene encoding Met1-lys322 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μg as determined by the LAL method.
Biological Activity Comment:	Measured by the production of urea during the hydrolysis of arginine. The specific activity is 6136.25 pmol/min/μg.

Target Details

Target:	Liver Arginase (ARG1)

Target Details

Alternative Name:	Arginase-1 (ARG1 Products)
Background:	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. Inherited deficiency of this ARG1 causes argininemia, which is an autosomal recessive disorder characterized by hyperammonemia. Synonym: Arginase-1, Liver-type arginase, Type I arginase, ARG1
Molecular Weight:	35.8 kDa
UniProt:	P05089
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 μm filtered solution of 20 mM Tris,150 mM NaCl,20 % Glycerol,1 mM DTT, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.