

Recombinant Rabbit Arginase (ARG1), N-His

Cat. No.: AP4C490

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Rabbit Arginase (ARG1), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 38.2 kDa. The purity is > 90%.

Specifications

Type	Recombinant Protein
Species	Oryctolagus cuniculus (Rabbit)
Expression System	<i>E.coli</i>
Purity	> 90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	38.2 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Rabbit Arginase (ARG1) is a key enzyme involved in the urea cycle, converting L-arginine into urea and L-ornithine. This process is crucial for nitrogen metabolism and detoxification. In rabbits, ARG1 is highly expressed in the liver, where it plays a vital role in maintaining nitrogen balance. ARG1 also regulates L-arginine levels outside the liver, impacting immune responses. For instance, ARG1 released by granulocytes can suppress the functions of T cells and natural killer (NK) cells, modulating the immune system. Additionally, ARG1 has been implicated in various physiological processes, including the regulation of lipid metabolism and the maintenance of cellular redox balance. Its multifunctional nature makes ARG1 an important factor in both metabolic and immune functions in rabbits.

Protein	Rabbit Arginase (ARG1)
Protein Synonym	Arginase
Gene ID	100008814
EC No.	A0A5F9DJJ2

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.