

Recombinant Rabbit SPARC (SPARC), N-His

Cat. No.: AP4C472

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Rabbit SPARC (SPARC), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 32.8 kDa. The purity is > 97%.

Specifications

Type	Recombinant Protein
Species	Oryctolagus cuniculus (Rabbit)
Expression System	<i>E.coli</i>
Purity	> 97%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	32.8 kDa
Physical State	Lyophilized
Formulation	20 mM Tris, 150 mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Target Information

Rabbit SPARC (Secreted Protein Acidic and Rich in Cysteine) is a matricellular protein that modifies cell interactions with the extracellular matrix (ECM). It plays a significant role in tissue remodeling, wound healing, and cell proliferation. In rabbits, SPARC is synthesized by various cell types, including chondrocytes and endothelial cells, and is involved in cartilage and bone development. SPARC also influences cell shape and migration, which are critical for tissue repair and angiogenesis. Additionally, it has been implicated in immune responses and cancer progression, making it a target for therapeutic research. Its ability to modulate cell-ECM interactions and cytokine signaling highlights its importance in maintaining tissue integrity and function.

Protein	Rabbit SPARC (SPARC)
Protein Synonym	Basement-membrane protein 40; Osteonectin; Secreted protein acidic and rich in cysteine
Gene ID	100009355

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 20 mM Tris, 150 mM NaCl (pH8.0) 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.