

Recombinant Rabbit Vascular Cell Adhesion Molecule-1 (VCAM-1), N-His

Cat. No.: AP4C436

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Rabbit Vascular Cell Adhesion Molecule-1 (VCAM-1), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 38.0 kDa. The purity is > 95%.

Specifications

Type	Recombinant Protein
Species	Oryctolagus cuniculus (Rabbit)
Expression System	<i>E.coli</i>
Purity	> 95%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	38.0 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Rabbit Vascular Cell Adhesion Molecule-1 (VCAM-1) is a key cell surface glycoprotein expressed on activated endothelial cells. It plays a crucial role in mediating the adhesion of leukocytes, such as monocytes and lymphocytes, to the endothelium during inflammation. In rabbits, VCAM-1 expression is induced in endothelial cells in response to cytokines and is also observed in vascular smooth muscle cells within atherosclerotic lesions. This protein facilitates leukocyte rolling and firm adhesion, contributing to immune cell recruitment and inflammation. VCAM-1 is also implicated in the development of atherosclerosis and other inflammatory conditions. Its expression can serve as a biomarker for vascular inflammation and is a potential target for therapeutic interventions aimed at reducing inflammation and preventing cardiovascular diseases.

Protein	Rabbit Vascular Cell Adhesion Molecule-1 (VCAM-1)
Protein Synonym	VCAM-1
Gene ID	100008901
EC No.	Q75T03

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.