

Recombinant Feline Integrin beta-1 (ITGB1)

Cat. No.: AP2C124

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Feline Integrin beta-1 (ITGB1) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 88.1 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Feline
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	88.1 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 6% Trehalose.

Target Information

In felines, Integrin beta-1 (ITGB1) is a cell surface receptor involved in cell adhesion, migration, and signaling through interactions with extracellular matrix proteins like fibronectin, collagen, and laminin. ITGB1 plays crucial roles in embryonic development, immune cell trafficking, tissue repair, and cancer metastasis. It may also act as a receptor for certain viruses, facilitating viral entry into host cells.

Protein	Feline Integrin beta-1 (ITGB1)
Protein Synonym	Fibronectin receptor subunit beta; VLA-4 subunit beta
UniProt ID	P53713

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°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. 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.