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Recombinant Mouse Integrin Alpha-3 (Itga3), N-His

Cat. No.: AP4C767

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Mouse Integrin Alpha-3 (Itga3), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 26.8 kDa. The purity is> 95%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	*E.coli*
Purity	> 95%
Endotoxin	<1.0 EU per 1μg (determined by the LAL method)
Predicted Molecular Weight	26.8 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Mouse Integrin Alpha-3 (Itga3) is a subunit of the integrin receptor family, which plays a crucial role in cell adhesion, migration, and signaling. It forms a heterodimer with the integrin beta-1 subunit to create the α3β1 integrin, which binds to extracellular matrix components such as laminin and collagen. In mouse models, Itga3 is highly expressed in epithelial cells, where it is involved in maintaining tissue integrity and facilitating wound healing. Abnormal expression or function of Itga3 has been implicated in various diseases, including cancer, where it can promote tumor invasion and metastasis by enhancing cell adhesion and migration.

Protein	Mouse Integrin Alpha-3 (Itga3)
Protein Synonym	CD49 antigen-like family member C; Galactoprotein B3; VLA-3 subunit alpha
Gene ID	16400
EC No.	Q62470

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.