

Recombinant Swine Beta-2-Microglobulin (B2M)

Cat. No.: AP9C63

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Swine Beta-2-Microglobulin (B2M) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 11.5 kDa. The purity is >90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E.coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	11.5 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Swine beta-2-microglobulin (B2M) is a protein found in the body of pigs, similar to its counterpart in humans. It is a component of the major histocompatibility complex (MHC) class I molecules, which are crucial for the immune system. B2M helps present foreign antigens to immune cells, enabling the body to recognize and eliminate infected or abnormal cells.

Protein	Swine Beta-2-Microglobulin (B2M)
Gene ID	397033
UniProt ID	Q07717

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months. Avoid repeated freezing and thawing.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in sterile distilled water to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise 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.