

Recombinant Sheep Interleukin-6 (IL6), N-His

Cat. No.: AP9C707

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Sheep Interleukin-6 (IL6), N-His is a recombinant protein expressed from Yeast. Its predicted molecular weight is 22.5 kDa. The purity is >90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Sheep
Expression System	Yeast
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	22.5 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Sheep interleukin-6 (IL6) is a pleiotropic cytokine that plays a significant role in the immune response and inflammation in sheep. It is involved in the regulation of immune cell activity, the acute-phase response, and hematopoiesis. IL-6 is produced by various cell types in response to immune stimuli and is particularly important in the early stages of sheep oocyte maturation and embryonic development. The cytokine is also associated with the pathogenesis of various inflammatory diseases and has been implicated in the response to viral infections, such as COVID-19.

Protein	Sheep Interleukin-6
Gene ID	443406
UniProt ID	P29455

Shipping and Storage

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

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot 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.