

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

Cat. No.: AP9F40

Product Type: Animal Proteins

Size: 50 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Porcine Interleukin-6 (IL6), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 20.8 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 | 20.8 kDa |
| Physical State | Lyophilized |
| Formulation | 10 mM Hepes, 500 mM NaCl with 5% trehalose, pH 7.4. |

Target Information

Interleukin 6 (IL-6) is encoded by the *IL6* gene in pigs. This cytokine is produced by monocytes and macrophages in response to other inflammatory mediators such as IL-1 and tumor necrosis factor-beta (TNF-β). IL-6 plays a pivotal role as a proinflammatory cytokine in pigs.

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|-----------------|---|
| Protein | Porcine Interleukin-6 (IL6) |
| Protein Synonym | interleukin 6, interleukin-6, IL-6, interleukin 6 (interferon, beta 2), interleukin-6 protein |
| Gene ID | 399500 |
| UniProt ID | P26893 |

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store at -20°C or -80°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in sterile distilled water or other buffer to a concentration of 0.1-1 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

Reference

Palkovicsné Pézsa, N. *et al.* Effects of *Lactobacillus rhamnosus* DSM7133 on intestinal porcine epithelial cells. *Animals : an open access journal from MDPI*. 2023, 13: 3007.

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.