

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

Cat. No.: AP9F19

Product Type: Animal Proteins

Size: 50 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Bovine Interleukin-6 (IL6), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 20.6 kDa. The purity is >90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	20.6 kDa
Physical State	Lyophilized
Formulation	10 mM Hepes, 500 mM NaCl with 5% trehalose, pH 7.4.

Target Information

Interleukin 6 (IL6) is a member of the IL6 family of cytokines, which have been identified as important mediators of embryonic cell development and maintenance. It can specifically increase inner cell mass cell numbers in bovine embryos and facilitates bovine blastocyst development in embryos cultured individually.

Protein	Bovine Interleukin-6 (IL6)
Protein Synonym	MGI2-A, MGI2A, HGF, BSF2, HSF, IFNB2, B-Cell Stimulatory Factor-2, Hybridoma/P lasmacytoma Growth Factor, Hepatocyte Stimulating Factor, Cytotoxic T-Cell Differentiation Factor, Interleukin 6
Gene ID	280826
UniProt ID	P26892

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

Wooldrige, L. K.; Ealy, A. D. Interleukin-6 increases inner cell mass numbers in bovine embryos. *BMC developmental biology*. 2019, 19: 2.

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.