

Recombinant Bovine Interferon-Induced GTP-Binding Protein Mx1 (MX1), N-His

Cat. No.: AP7F544

Product Type: Animal Proteins

Size: 20 µg

Product Overview

BioVenic's Recombinant Bovine Interferon-Induced GTP-Binding Protein Mx1 (MX1), N-His is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 77 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	77 kDa
Physical State	Lyophilized
Formulation	20 mM Tris-HCl, pH 7.9, 500 mM NaCl, 0.5 mM Imidazole, 0.1 mM DTT and 6 M urea.

Target Information

The *MX1* gene in cattle encodes the interferon-induced GTP-binding protein Mx1. This protein is a dynamin-like GTPase that exhibits antiviral properties against several viruses, including the rabies virus (RABV), vesicular stomatitis virus (VSV), and murine pneumonia virus (MPV). Only isoform 1 of Mx1 demonstrates antiviral effectiveness against vesicular stomatitis virus (VSV), whereas isoform 2 does not.

Protein	Bovine Interferon-Induced GTP-Binding Protein Mx1 (MX1)
Protein Synonym	Interferon-induced GTP-binding protein Mx1; MX1; Myxoma resistance protein 1; Myxovirus resistance protein 1
Gene ID	280872
UniProt ID	P79135

Shipping and Storage

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

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in sterile ultrapure water H₂O not less than 100 µg/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.