
Product Data Sheet

Product Name: MX1 Bovine
 Cat. No.: GP23976
 Batch No.: 1

Product Data

Purity	>98%	Source
Physical Appearance	solid	Shipping Condition
Synonyms	Interferon-induced GTP-binding protein Mx1; Myxoma resistance protein 1; Myxovirus resistance protein 1; MX1; Interferon-Induced	
Amino Acid Sequence	MGSSHHHHHSSGLVPRGSHMVHSDLGIEELDSPESLNGSEDMESKSNLYSQYEEKVRPCIDLIDSLRSLGVEQDLALPAIAVIGDQSSGKSSVLEALS	
Solubility	It is recommended to reconstitute the lyophilized MX1 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted.	
Formulation	The MX1 protein was lyophilized from a (1mg/ml) 0.2µm filtered solution containing 20mM Tris-HCl, pH7.9, 500mM NaCl, 0.5mM Im	

Introduction

Myxoma Resistance Protein 1 (MX1) is a member of the dynamin family and contains 1 GED domain. MX1 is an Interferon-induced dynamin-like GTPase with antiviral activity against rabies virus (RABV), vesicular stomatitis virus (VSV) and murine pneumonia virus (MPV). MX1 is ubiquitously expressed. MX1 is induced by type I and type III interferons.

Stability

Lyophilized MX1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MX1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

MX1 Bovine Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain (1-648 a.a) containing a total of 668 amino acids and having a molecular mass of 77kDa. The MX1 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
