Interferon-Induced GTP-Binding Protein Mx1 (MX1) Sheep Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interferon-induced GTP-binding protein Mx1 (MX1), Recombinant Protein
Full Product Name	Recombinant Sheep Interferon-induced GTP-binding protein Mx1 (MX1), partial
Product Gene Name	MX1 recombinant protein
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	75,573 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P33237
Species	Sheep
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MX1 recombinant protein	In mouse, the interferon-inducible Mx protein is responsible for a specific antiviral state against influenza virus infection. This protein is similar to the mouse protein as determined by its antigenic relatedness, induction conditions, physicochemical properties, and amino acid analysis. This cytoplasmic protein is a member of both the dynamin family and the family of large GTPases. Two transcript variants encoding the same protein have been found for this gene.
Other Notes	Small volumes of MX1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MX1 purchase	MBS968286 is a recombinant protein targeting MX1. Also known as Recombinant Sheep Interferon-induced GTP-binding protein Mx1 (MX1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MX1. It may not necessarily be applicable to this product.

NCBI GI #	57619268
NCBI GeneID	443146
NCBI Accession #	NP_001009753.1
UniProt Primary Accession #	P33237
UniProt Secondary Accession #	Q95MD4
UniProt Related Accession #	P33237
GenBank Nucleotide #	NM_001009753.1

NCBI Official Full Name	interferon-induced GTP-binding protein Mx1
NCBI Official Symbol	MX1
NCBI Official Synonym Symbols	MX; ONBP; OGTPBP
UniProt Protein Name	Interferon-induced GTP-binding protein Mx1
UniProt Synonym Protein Names	Myxoma resistance protein 1; Myxovirus resistance protein 1; Oligodendrocyte GTP-binding protein
Protein Family	Interferon-induced GTP-binding protein
UniProt Gene Name	MX1
UniProt Synonym Gene Names	MX
NCBI Protein Information	interferon-induced GTP-binding protein Mx1
UniProt Comments for MX1	Interferon-induced dynamin-like GTPase with antiviral activity.
Research Articles on MX1	**1.** Three SNPs analyzed in the MX1 locus showed a significant association with susceptibility to ovine pulmonary adenocarcinoma in Latxa sheep
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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