

BMyxoma Resistance Protein 1 Recombinant Protein | bMX1 recombinant protein

Recombinant Bovine Myxoma Resistance Protein 1

CATALOG #
AAA39087

HOST
E Coli

PRODUCT SYNONYMS

BMyxoma Resistance Protein 1; Recombinant Bovine Myxoma Resistance Protein 1; MX1 Bovine; Myxoma Resistance Protein 1 Bovine Recombinant; Interferon-induced GTP-binding protein Mx1; Myxoma resistance protein 1; Myxovirus resistance protein 1; MX1; Interferon-Induced Protein P78; IFI-78K; IFI78; MxA; bMX1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The MX1 protein was lyophilized from a (1mg/ml) 0.2 um filtered solution containing 20mM Tris-HCl, pH7.9, 500mM NaCl, 0.5mM Imidazole, 0.1mM DTT and 6M urea. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MGSSHHH HHHSSGLVPR GSHMVH SDLGIEELDS PESSLNSED MESKSNLYSQ YEEKVRPCID LIDSLRSLGV EQDLALPAIA VIGDQSSGKS SVLEALSGVA LPRGSGIVTR CPLVRLKKL GNEDEWKGV SFLDKEIEIP DASQVEKEIS EAQIAIAGEG TGISHELISL EVSSPHVPDL TLIDLPGITR VAVGNQPPDI EYQIKSLIRK YILRQETINL VVVPANVDIA TTEALRMAQE VDPQGDRTIG ILTKPDLVDK GTEDKVVDVV RNLVFHLKKG YMIVKCRGQQ DIKHRMSLDK ALQRERIFFE DHAHFRDLLE EGKATIPCLA ERLTSELIMH ICKTLPLEN QIKETHQRIT EELQKYGKDI PEEESEKMFC LIEKIDTFNK EIISTIEGEE FVEQYDSRLF TKVRAEFSKW SAVVEKNFEK GYEAIRKEIK QFENRYRGRE LPGFVNYKTF ETIIKKQVRV LEEPVDMLH TVTDIIRNTF TDVSGKHFE FNLHRTAKS KIEDIRLEQE NEAEKSIRLH FQMEQLVYCQ DQVYRRALQQ VREKEAEEEE NKKSNNHYFQS QVSEPSTDEI FQHLTAYQQE VSTRISGHIP LIHQFFVLRT YGEQLKKSML QLLQDKDQYD WLLKERTDTR DKRKFLKERL ERLTRARQRL AKFPG
Sequence Length	648
Solubility	It is recommended to reconstitute the lyophilized MX1 in sterile 18M-cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized MX1 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution MX1 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for bMX1 recombinant protein	Description: 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. 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.
Product Categories/Family for bMX1 recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	27806841
NCBI GeneID	280872
NCBI Accession #	NP_776365.1
NCBI GenBank Nucleotide #	NM_173940.2
UniProt Accession #	P79135; O46623; Q17QZ1; Q53ZW3; Q867D5
Molecular Weight	75,366 Da
NCBI Official Full Name	interferon-induced GTP-binding protein Mx1
NCBI Official Synonym Full Names	MX dynamin-like GTPase 1
NCBI Official Symbol	MX1
NCBI Official Synonym Symbols	Mx1B; Mx1-b
NCBI Protein Information	interferon-induced GTP-binding protein Mx1; interferon-inducible myxovirus resistance-1 protein; interferon-inducible protein p78; myxoma resistance protein 1; myxovirus (influenza virus) resistance 1, interferon-inducible protein p78; myxovirus (influenza) resistance 1, (murine homolog); myxovirus resistance protein 1
UniProt Protein Name	Interferon-induced GTP-binding protein Mx1
UniProt Gene Name	MX1
UniProt Entry Name	MX1_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mx1-recombinant-protein-e-coli/39087>