
Product Data Sheet

Product Name: MX1 Human
 Cat. No.: GP23975
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	MX Dynamin-Like GTPase 1; Myxoma Resistance Protein 1; IFI-78K; IFI78; MX; Myxovirus (Influenza) Resistance 1;		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSMVVSEVD IAKADPAAAS HPLLLNGDAT VAQKNPGSVA ENNLCSQYEEKVRPCIDLID SLRALGVEQD LALPAIAVIG DQSSGKSSVL EALSGVALPR GSGIVTRCPL VLKLLKLVNEDKWRGKVSQYQ DYEIEISDAS EVEKEINKAQ NAIAGEGMGISHELITLEIS SRDVPDLTLI DLPGITRVAV GNQPADIGYK IKTLIKKIQRQETISLVVV PSNVDIATTE ALSMAQEVDP EGDRTIGILT KPDLVDKGTE DKVVDVVRNL VFHLKKGYMIVKCRGQQEIQ DQLSLSEALQ REKIFFENHP YFRDLLEEGK ATPVCLAEKL TSELITHICKSLPLENQIK ETHQRITEEL QKYGVDIPED ENKMFLLID KVNAFNQDITALMQGEETVG EEDIRLFTRL RHEFHKWSTI IENNFQEGHK ILSRKIQKFE NQYRGRELPG FVNYRTFETIVKQQIKALEE PAVDMLHTVT DMVRLAFTDV SIKNFEEFFN LHRTAKSKIE DIRAEQEREKEKLIRLHFQM EQIVYCQDQV YRGALQKVRE KELEEEKKKK SWDFGAFQSSSATDSSMEEI FQHLMAYHQE ASKRISSHIP LIIQFFMLQT YGQQLQKAML QLLQDKDTYS WLLKERSDTS DKRKFLKERL ARLTQARRRL AQFPG.</p>		
Formulation	MX1 protein solution (0.25mg/ml) containing Phosphatebuffered saline (pH7.4), 10% glycerol and 1mM DTT.		

Introduction

Myxovirus Resistance 1, also known as MX1 is a guanosine triphosphate (GTP)-metabolizing protein which takes part in the cellular antiviral response. MX1 is induced by type I and type II IFN, and also antagonizes the replication process of some different RNA & DNA viruses. In addition, there is a related gene located adjacent to MX1 on

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

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chromosome 21, and there are multiple pseudogenes positioned in a cluster on chromosome 4.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MX1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 685 amino acids (1-662 a.a) and having a molecular mass of 77.9kDa. MX1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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