9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# MX1 Human

*Myxovirus Resistance 1 Human Recombinant*
*RCP1420*

## Product Overview

| | |
|---|---|
| Name | MX1 Human |
| **Description** | |
| Myxovirus Resistance 1 Human Recombinant | |
| Accession (Primary) | P20591 |
| **Synonyms** | |
| MX Dynamin-Like GTPase 1, Myxoma Resistance Protein 1, IFI-78K, IFI78, MX, Myxovirus (Influenza) Resistance 1, | |
| **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 chromosome 21, and there are multiple pseudogenes positioned in a cluster on chromosome 4. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered clear solution. | |
| **Formulation** | |
| MX1 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT. | |
| **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. | |
| **Purity** | |
| Greater than 85% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| MGSSHHHHHH SSGLVPRGSH MGS MVVSEVD IAKADPAAAS HPLLLNGDAT VAQKNPGSVA ENNLCSQYEE KVRPCIDLID SLRALGVEQD LALPAIAVIG DQSSGKSSVL EALSGVALPR GSGIVTRCPL VLKLKKLVNE DKWRGKVSYQ DYEIEISDAS EVEKEINKAQ NAIAGEGMGI SHELITLEIS SRDVPDLTLI DLPGITRVAV GNQPADIGYK IKTLIKKYIQ RQETISLVVV PSNVDIATTE ALSMAQEVDP EGDRTIGILT KPDLVDKGTE DKVVDVVRNL VFHLKKGYMI VKCRGQQEIQ DQLSLSEALQ REKIFFENHP YFRDLLEEGK ATVPCLAEKL | |

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TSELITHICK SLPLLENQIK ETHQRITEEL QKYGVDIPED ENEKMFFLID KVNAFNQDIT ALMQGEETVG EEDIRLFTRL RHEFHKWSTI IENNFQEGHK ILSRKIQKFE NQYRGRELPG FVNYRTFETI VKQQIKALEE PAVDMLHTVT DMVRLAFTDV SIKNFEEFFN LHRTAKSKIE DIRAEQEREG EKLIRLHFQM EQIVYCQDQV YRGALQKVRE KELEEEKKKK SWDFGAFQSS SATDSSMEEI FQHLMAYHQE ASKRISSHIP LIIQFFMLQT YGQQLQKAML QLLQDKDTYS WLLKERSDTS DKRKFLKERL ARLTQARRRL AQFPG.

**Precautions**

MX1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P20591 )