

Bovine MX1 Recombinant Protein



RPPB4025

Product Information Protein Information

Product SKU:

RPPB4025

Accession:

P79135

Host:

Escherichia Coli.

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Interferon-induced GTP-binding protein Mx1, Myxoma resistance protein 1, Myxovirus resistance protein 1, MX1, Interferon-Induced Protein P78, IFI-78K, IFI78, MxA.

Formulation:

The MX1 protein was lyophilized from a (1mg/ml) 0.2µm filtered solution containing 20mM Tris-HCl, pH7.9, 500mM NaCl, 0.5mM Imidazole, 0.1mM DTT and 6M urea.

Purity:

Greater than 90.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized MX1 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

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.

Amino Acid Sequence:

MGSSHHHHHSSGLVPRGSHMVHSDLGIEELDSPESLNGSEDMESKSNLYSQYEEKVRPCIDLIDSLRSLGVEQD
LALPAIAVIGDQSSGKSSVLEALSGVALPRGSGIVTRCPLVLRLLKLGNEDEWKGKVSFLDKEIIPDASQVEKEISEAQI
AIAGEGTGISHELISLEVSSPHVDPDLTLDLPGITRVAVGNQPPDIEYQIKSLIRKYILRQETINLVVVPANVDIATTEALR
MAQEVDPQGDRTIGILTKPDLVDKGTEDKVVDVVRNLVFHLKKGVMIVKCRGQQDIKHRMSLDKALQRERIFFED
HAHFRDLLEEGKATIPCLAERLTSELIMHICKTLPLEENQIKETHQRITEELQYKGDIPPEESEKMFCLIEKIDTFNKEIIST
IEGEEFVEQYDSRLFTKVRAEFSKWSAVVEKNFEKGYEAIKQFENRYRGRELPGFVNYKTFETIIKKQVRVLEEPAV
DMLHTVTDIIRNTFTDVSQKHFNEFFNLHRTAKSKIEDIRLEQENEAESIRLHFQMEQLVYCQDQVYRRALQQVRE
KEAEEKNKSNHYFQSQVSEPSTDEIFQHLTAYQQEVSTRISGHIPLIQFFVLRITYGEQLKKSMLQLLQDKDQYDW
LLKERTDTRDKRFLKERLERLTRARQLAKFPG.