

## PRODUCT DATA SHEET

### MxA Protein Human E. coli

**Cat. No.:** RD172349100

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

#### Other Names:

Myxovirus resistance protein 1, MX1, Myxovirus-Resistant Protein A, Interferon-regulated resistance GTP-binding protein MxA, Interferon-Inducible Protein p78

#### Description:

Total 668 AA. MW 76.3 kDa (calculated). UniProtKB acc. No. P20591 (Met1-Gly662). C-terminal His-tag (6 extra AA). Protein identity confirmed by MS.

#### Amino Acid Sequence:

MVSEVDIAK ADPAAASHPL LLNGDATVAQ KNPGSVAENN LCSQYEEKVR PCIDLIDSLR  
ALGVEQDLAL PAIAVIGDQS SGKSSVLEAL SGVALPRGSG IVTRCPLVLK LKKLVNEDKW  
RGKVSYQDYE IEISDASEVE KEINKAQNAI AGEGMGISHE LITTLEISSRD VPDLTLLIDLP  
GITRVAVGNQ PADIGYKIKT LIKKYIQRQE TISLVVPSN VDIATTEALS MAQEVDPEDG  
RTIGILTTPD LVDKGTEDKV VDVVRNLVFN LKKGYMIVKC RGQOEIQDQL SLSEALQREK  
IFFENHPYFR DLLEEGKATV PCLAEKLTSE LITHICKSLP LLENQIKETH QRITEELQKY  
GVDIPEDENE KMFFLIDKVN AFNQDITALM QGEETVGEED IRLFTRLRHE FHKWSTIIEN  
NFQEGHKILS RKIQKFENQY RGRELPGFVN YRTFETIVKQ QIKALEEPAV DMLHTVTDMV  
RLAFTDVSİK NFEEFFNLHR TAKSKIEDIR AEQEREGEKL IRLHFQMEQI VYQDQVYRG  
ALQKVREKEL EEEKKKSWD FGAFQSSSAT DSSMEEIFQH LMAYHQEASK RISSHIPLII  
QFFMLQTYGQ QLQKAMLQLL QDKDTYSWLL KERSDTSDBR KFLKERLARL TQARRRLAQF  
PGHHHHHH

#### Purity:

> 90 % by SDS-PAGE

#### Endotoxin:

< 1.0 EU/μg

#### Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in 20 mM Tris buffer, 50 mM NaCl, 5% (w/v) trehalose, pH 7.5.

#### Reconstitution:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely at 37°C.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for three days.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.