

## Product datasheet for TP509610

### Mx1 (NM\_010846) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse MX dynamin-like GTPase 1 (Mx1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR209610 representing NM_010846 Red=Cloning site Green=Tags(s)

MDSVNNLCRHYEEKVRPCIDLIDTLRALGVEQDLALPAIAVIGDQSSGKSSVLEALSGVALPRGSGIVTR  
CPLVLKLRKLKEGEEWRGKVSYYDDIEVELSDPSEVEEAINKGQNFIAAGVGLGISDKLISLDVSSPNV  
PDL TLIDLPGITRVAVGNQPADIGRQIKRLIKTYIQKQETINLVVPSNVDIATTEALSMAQEVDP  
EGDRTIG VLT KPDLVDRGAEGKVLDMRNLVYPLKKGYMIVKCRGQQDIQEQLSLTEAFQKEQVFFK  
DHSYFSILLE DGKATVPCLAERLTEELTSHICKSLPLEDQINSSHQSASEELQKYGADIPEDDR  
TRMSFLVNKISAFNR NIMNLIQAQETVSEGDSRLFTKLRNEFLAWDDHIEEYFKKDSPEVQSKM  
KEFENQYRGRELPGFVDYKAF ESIIKKRVKALEESAVNMLRRVTKMVQTAFVKILSNDFGDFL  
NLCCTAKS KI EIRLNQEKEAENLIRLH FQMEQIVYCQDQVYKETLKTIREKEAEKEK  
TKALINPATFQNN SQFPQKGLTTTMTQHLKAYYQECRRN IGRQIPLIIQYFILKTFGEEIEK  
MMLQLLQDTSKCSWFLEEQSDTREKKKFLKRRLLRLDEARQKLAKFSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	72 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq: [NP\\_034976](#)

Locus ID: 17857

UniProt ID: [P09922](#), [Q4FJJ9](#)

RefSeq Size: 3218

Cytogenetics: 16 57.46 cM

RefSeq ORF: 1893

Synonyms: AI893580; Mx; Mx-1

**Summary:** This gene encodes a member of the Mx protein family of large GTPases, and functions in the innate immunity system. Interferon alpha/beta treatment or viral infection induces expression of this protein, which subsequently accumulates in the cytoplasm and inhibits viral replication. It has been shown to confer resistance to the influenza virus. This gene produces a functional protein in some feral mouse strains, whereas some inbred mouse strains including the strain of the reference genome, C57BL/6J, contain a deletion or a nonsense mutation that results in a non-functional gene product. [provided by RefSeq, Aug 2015]