

## Product datasheet for **TP306437**

### **MX2 (NM\_002463) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human myxovirus (influenza virus) resistance 2 (mouse) (MX2), 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC206437 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSKAHKPWPYRRRSQFSSRKYLKKEMNSFQQQPPPGTVPPQMMFPPNWQGAEKDAAFLAKDFNFLT  
LNN  
QPPPGNRSQPRAMGPENNLYSQYEQKVRPCIDLIDSLRALGVEQDLALPAIAVIGDQSSGKSSVLEALSG  
VALPRGSGIVTRCPLVLKLLKKQPCEAWAGRISYRNTELELDPGQVEKEIHKAQNVMMAGNNGRGISHELIS  
LEITSPEVPDLTIIDLPGITRVAVDNQPRDIGLQIKALIKKYIQRQQTINLVVPCNVDIATTEALSMAH  
EVDPEGDRITIGILTKPDLMDRGTEKSMNVVRNLTYPLKKGVMIVKCRGQQEITNRLSLAEATKKEITFF  
QTHPYFRVLLEEGSATVPRLAERLTTELIMHIQKSLPLLEGQIRESHQKATEELRRCGADIPSQEADKMF  
FLIEKIKMFNQDIEKLVEGEEVRENETRLYNKIREDFKNWVGILATNTQKVKNIIHEEVEKEYEKYRGK  
ELLGFVNYKTFEIIVHQYIQQQLVEPALSMQLKAMEIIQQAFINVAKKHFGFEFFNLNQTVQSTIEDIKVKH  
TAKAENMIQLQFRMEQMVFCQDQIYSVVLKKVREEIFNPLGTPSQNMKLNSHFPSNESSVSSFTEIGIHL  
NAYFLETSKRLANQIPFIQYFMLRENGDSLQKAMMQILQEKNRYSWLLQEQSETATKRRILKERIYRLT  
QARHALCQFSSKEIH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

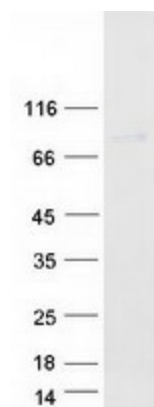
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	81.9 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<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.



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<b>Storage:</b>	Store at -80°C.
<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.
<b>RefSeq:</b>	<a href="#">NP_002454</a>
<b>Locus ID:</b>	4600
<b>UniProt ID:</b>	<a href="#">P20592</a>
<b>RefSeq Size:</b>	2961
<b>Cytogenetics:</b>	21q22.3
<b>RefSeq ORF:</b>	2145
<b>Synonyms:</b>	MXB
<b>Summary:</b>	The protein encoded by this gene has a nuclear and a cytoplasmic form and is a member of both the dynamin family and the family of large GTPases. The nuclear form is localized in a granular pattern in the heterochromatin region beneath the nuclear envelope. A nuclear localization signal (NLS) is present at the amino terminal end of the nuclear form but is lacking in the cytoplasmic form due to use of an alternate translation start codon. This protein is upregulated by interferon-alpha but does not contain the antiviral activity of a similar myxovirus resistance protein 1. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified MX2 protein (Cat# TP306437). The protein was produced from HEK293T cells transfected with MX2 cDNA clone (Cat# [RC206437]) using MegaTran 2.0 (Cat# [TT210002]).