



# Recombinant Human Interferon-induced GTP-binding protein Mx2 (MX2)

<b>Product Code</b>	CSB-BP015250HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P20592
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MSKAHKPWPY RRRSQFSSRK YLKEMNSFQ QQPPPFGTVP  PQMMFPPNWQ GAEKDAAFLA KDFNFLTNN QPPPGNRSQP  RAMGPENPLY SQYEQKVRPC IDLIDSLRAL GVEQDLALPA IAVIGDQSSG  KSSVLEALSG VALPRGSGIV TRCPLVLK KQPCEAWAGR ISYRNTELEL  QDPGQVEKEI HKAQNMAGN GRGISHELIS LEITSPEVPD LTIIDLPGIT  RVAVDNQPRD IGLQIKALIK KYIQRQQTIN LVVPCNVDI ATTEALSMAH  EVDPEGDRTI GILTKPDLMD RGTEKSVMNV VRNLTYPLKK GYMIVKCRGQ  QEITNRLSLA EATKKEITFF QTHPYFRVLL EEGSATVPRL AERLTTELIM  HIQKSLPLLE GQIREHQKA TEELRRCGAD IPSQEADKMF FLIEKIKMFN  QDIEKLVEGE EVVRENTRL YNKIREDFKN WVGILATNTQ KVKNIIHEEV  EKYEKQYRGK ELLGFVNYKT FEIIVHQYIQ QLVEPALSML QKAMEIIQQA  FINVAKKHFG EFFNLNQTQVQ STIEDIKVKH TAKAENMIQL QFRMEQMVF  QDQIYSVVLK KVREEIFNPL GTPSQNMKLN SHFPSNESSV SSFTEIGIHL  NAYFLETSKR LANQIPFIIQ YFMLRENGDS LQKAMMQILQ EKNRYSWLLQ  EQSETATKRR ILKERIYRLT QARHALCQFS SKEIH</p>
<b>Source</b>	Baculovirus
<b>Target Names</b>	MX2
<b>Protein Names</b>	Recommended name: Interferon-induced GTP-binding protein Mx2 Alternative name(s): Interferon-regulated resistance GTP-binding protein MxB Myxovirus resistance protein 2 p78-related protein
<b>Expression Region</b>	1-715
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This protein 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.

---

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

---

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.