



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

Product Code	CSB-EP015250HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P20592
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p>MSKAHKPWPY RRRSQFSSRK YLKKEMNSFQ QQPPPFGTVP PQMMFPPNWQ GAEKDAAFLA KDFNFLTNN QPPPGNRSQP RAMGPENPLY SQYEQKVRPC IDLIDSLRAL GVEQDLALPA IAVIGDQSSG KSSVLEALSG VALPRGSGIV TRCPLVLKLG KQPCEAWAGR ISYRNTELEL QDPGQVEKEI HKAQNMAGN GRGISHELIS LEITSPEVPD LTIIDLPGIT RVAVDNQPRD IGLQIKALIK KYIQRQQTIN LVVVPCNVDI ATTEALSMAN EVDPEGDRTI GILTKPDLMD RGTEKSVMMV VRNLTYPLKK GYMIVKCRGQ QEITNRLSLA EATKKEITFF QTHPYFRVLL EEGSATVPRL AERLTTELM HIQKSLPLLE GQIREHQKA TEELRRCGAD IPSQEADKMF FLIEKIKMFN QDIEKLVEGE EVVRENTRL YNKIREDFKN WVGILATNTQ KVKNIIHEEV EKYEKQYRGK ELLGFVNYKT FEIIVHQYIQ QLVEPALSML QKAMEIIQQA FINVAKKHFG EFFNLNQTQVQ STIEDIKVKH TAKAENMIQL QFRMEQMVFQ QDQIYSVVLK KVREEIFNPL GTPSQNMKLN SHFPSNESSV SSFTEIGIHL NAYFLETSKR LANQIPFIIQ YFMLRENGDS LQKAMMQILQ EKNRYSWLLQ EQSETATKRR ILKERIYRLT QARHALCQFS SKEIH</p>
Source	E.coli
Target Names	MX2
Protein Names	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
Expression Region	1-715
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.