

Recombinant Full Length Human MX2 Protein, C-Flag-tagged

Cat. No. MX2-1738HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MX2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	81.9 kDa
AA Sequence	MSKAHKPWPYRRRSQFSSRKYLKKEMNSFQQQPPPFQTVPPQMMFPPNWQGAE KDA AFLAKDFNFLT LNN QPPPGNRSQPRAMGPENNLYSQYEQKVRPCIDLIDSLRA LGVEQDLALPAIAVIGDQSSGKSSVLEALSG VALPRGSGIVTRCPLVLK LKKQPCEA WAGRISYRNTELELQDPGQVEKEIHKAQNVMAGN GRGISHELIS LEITSPEVPDLTII DLPGITRVAVDNQP RDIGLQIKALIKKYIQRQQTINLVV VPCNVDIATTEALSMAH EVD PEGDRTIGILTKPDLMDRGTEKSV MNVVRNLTYPLKKG YMIVKCRGQQEITNRLSLA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EATKKEITFF QTHPYFRVLLEEGSATVPRLAERLTTELIMHIQKSLPLEGQIRESHQK
 ATEELRRCGADIPSQEADKMF FLIEKIKMFNQDIEKLVEGEEVVRENETRLYNKIRE
 FKNWVGILATNTQKVKNIIHEEVEKEYEKQYRGK ELLGFVNYKTFEIVHQYIQQQLVEP
 ALSMLQKAMEIIQAFINVAKKHFGFEFFNLNQTVQSTIEDIKVKH TAKAENMIQLQFR
 MEQMVFCQDQIYSVVLKKVREEIFNPLGTPSQNMKLNSHFPSNESSVSSFTEIGIHL
 NAYFLETSKRLANQIPFIIQYFMLRENGDSLQKAMMQILQEKNRYSWLLQEQSETAT
 KRRILKERIYRLT
 QARHALCQFSSKEIHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

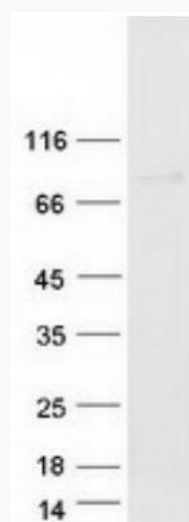
Gene Name	MX2 MX dynamin like GTPase 2 [Homo sapiens (human)]
Official Symbol	MX2

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Synonyms	MXB
Gene ID	4600
mRNA Refseq	NM_002463.2
Protein Refseq	NP_002454.1
MIM	147890
UniProt ID	P20592



Coomassie blue staining of purified MX2 protein.