

Myxovirus Resistance 1 (MX1) Active Protein | MX1 active protein

Active Myxovirus Resistance 1 (MX1)

CATALOG # AAA149266	HOST E. coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Activity Assay, Cell Culture
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PRODUCT SYNONYMS

Myxovirus Resistance 1 (MX1); Active Myxovirus Resistance 1 (MX1); MX1 active protein

PRODUCT SPECIFICATIONS

Host	E. coli
Reactivity	Homo sapiens (Human)
Purity/Purification	>98%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% sarcosyl and 5% trehalose.
Applicable Applications for MX1 active protein	Activity Assay, Cell Culture
Source	Prokaryotic expression.
Residues	Ser80-Leu342
Tags	N-terminal His-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted isoelectric point	5.8
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



WB (Western Blot)

Figure 4. Western BlotSample: Recombinant MX1, Human;Antibody: Rabbit Anti-Human MX1 Ab



SDS_PAGE

Figure 3. SDS-PAGESample: Active recombinant MX1, Human



Identification

Figure 2. Gene Sequencing (extract



Bioactivity

Figure.1 The binding activity of MX1 with TUBb.



Sequence

ADDITIONAL INFORMATION

Product Categories/Family for MX1 active protein	Infection immunity
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NCBI AND UNIPROT INFORMATION

NCBI GI #	251757499
NCBI GeneID	4599
Molecular Weight	Predicted Molecular Mass: 30.3kDa Accurate Molecular Mass: 34kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	Interferon-induced GTP-binding protein Mx1
NCBI Official Synonym Full Names	MX dynamin like GTPase 1
NCBI Official Symbol	MX1
NCBI Official Synonym Symbols	MX; MxA; IFI78; IFI-78K
NCBI Protein Information	interferon-induced GTP-binding protein Mx1
UniProt Protein Name	Interferon-induced GTP-binding protein Mx1
UniProt Gene Name	MX1
UniProt Synonym Gene Names	IFI-78K
UniProt Entry Name	MX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.