Recombinant human MX2 protein

Catalog Number: ATGP2514

PRODUCT INFORMATION

Expression system
E.coli

Domain
626-715aa

UniProt No.
P20592

NCBI Accession No.
NP_002454.1

Alternative Names
Myxovirus resistance protein 2, MXB

PRODUCT SPECIFICATION

Molecular Weight
14.9 kDa (126aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE,Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
MX2 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. Recombinant human MX2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

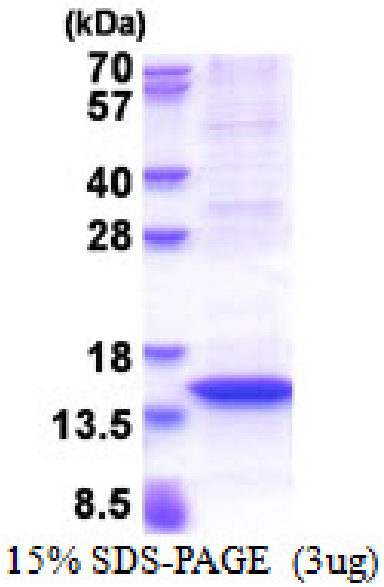
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSIGIH LNAYFLETSK RLANQIPFII QYFMLRENGD SLQKAMMQIL QEKNRYSWLL QEQSETATKR RILKERIYRL TQARHALCQF SSKEIH

General References

Melen K, Keskinen P, et al. (1996). J Biol Chem. 271(38):23478-86.
al-Masri AN, Werfel T, et al. (1997). Mol Pathol. 50(1):9-14.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.