
Product Data Sheet

Product Name: MX2 Human
 Cat. No.: GP23977
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Myxovirus (Influenza Virus) Resistance 2 (Homolog Of Mouse); Myxovirus Resistance Protein 2; P78-Related Protein.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSIGIH LNAYFLETSK RLANQIPFII QYFMLRENGD SLQKAMMQIL QEKNRYSWLL QEQSETATKR RILKERIYRL TQARHALCQF SSKEIH		
Formulation	The MX2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

MX2 is a member of 2 protein families: the dynamin family and the large GTPases family. MX2 has a cytoplasmic and nuclear structure which is found in a granular pattern in the heterochromatin region under the nuclear envelope. The nuclear form has a NLS (nuclear localization signal) at the amino terminal end however it is missing in the cytoplasmic form as a result of the use of a different translation start codon. MX2 is upregulated by IFN- α , but unlike myxovirus resistance protein 1 has no antiviral activity.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MX2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 126 amino acids (626-715) and having a molecular mass of 14.9 kDa. MX2 is fused to a 36 amino acid His-tag at N-terminus.

Caution: Product has not been fully validated for medical applications. For research use only.

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