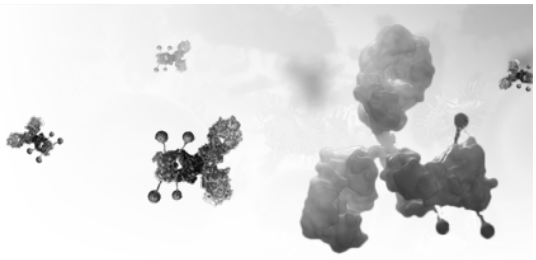

Recombinant Mumps virus Nucleoprotein (DAGC782)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The recombinant Mumps Virus Nucleoprotein is expressed in insect cells.
Species	MuV
Applications	Immunoassay
Molecular Weight	64 kDa
Format	Liquid
Size	1 mg
Buffer	50 mM HEPES, pH 8.0, 150 mM NaCl, 10 % glycerol
Preservative	None
Storage	Store at -80°C.

BACKGROUND

Introduction

The mumps virus is an enveloped, single-stranded, linear negative-sense RNA virus of the genus Rubulavirus and family Paramyxovirus. The Jeryl Lynn strain of mumps virus has a genome size of 15,384 nucleotides and encodes nine proteins. Proteins involved in viral replication are the nucleoprotein (NP), phosphoprotein (P), and polymerase protein while the genomic RNA forms the ribonucleocapsid. The MuV NP encapsidates the virus genome, protecting it from nucleases. The nucleocapsid (NC) has a helical structure, approximately 20 nm in diameter, with a hollow central cavity approximately 5 nm in diameter. The encapsidated genomic RNA is termed the NC and serves as template for transcription and replication. During replication, encapsidation by N is coupled to RNA synthesis and all replicative products are

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	resistant to nucleases. Mumps virus replicates by budding from the cell surface and the roughly spherical shaped virus particle, has a size ranging from 1,000 to 8,000 A. Humans are the only natural host for this virus.
Keywords	Mumps virus; MuV; Mumps virus Nucleoprotein; MuV Nucleoprotein; MuV NP; Mumps virus NP

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