

Specifications:

Gene:	H1N1 Hemagglutinin
Accession:	YP_009118626.1
Insert size:	1714bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

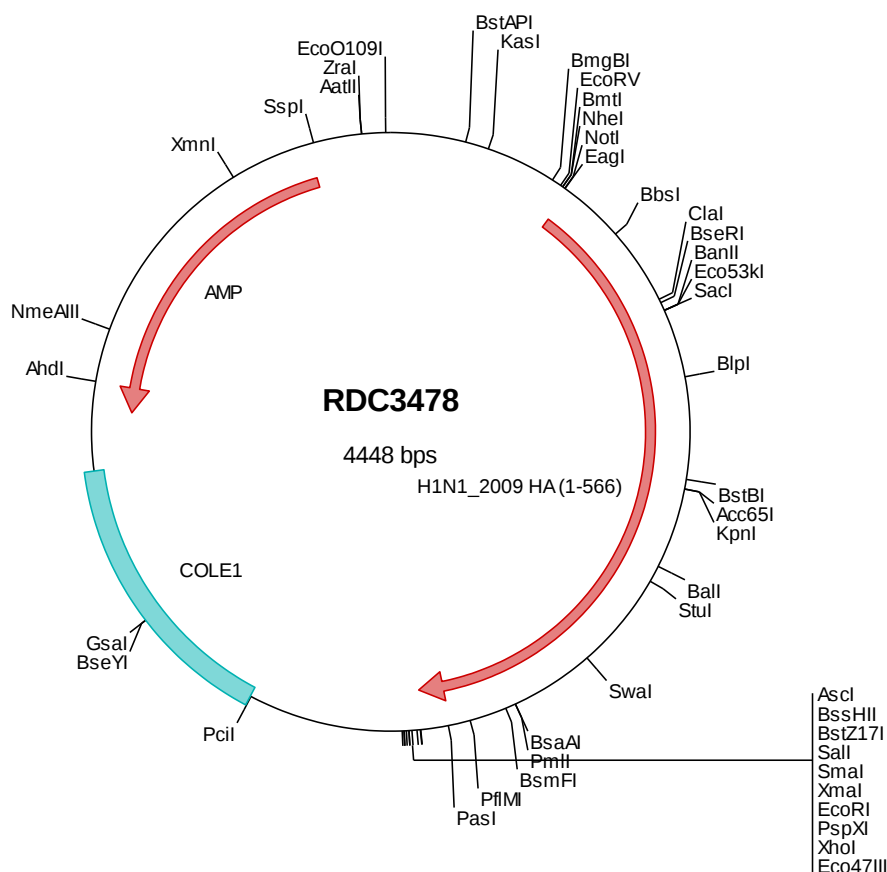
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Influenza A Virus H1N1 Hemagglutinin cDNA Plasmid

HA hemagglutinin [*Influenza A virus (A/California/07/2009(H1N1))*]

Summary:

2009 H1N1 was first detected in the United States in April 2009. The virus genes were a combination of genes most closely related to North American swine-lineage H1N1 and Eurasian lineage swine-origin H1N1 influenza viruses. Hemagglutinin binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell. This attachment induces virion internalization either through clathrin-dependent endocytosis or through clathrin- and caveolin-independent pathway. It plays a major role in the determination of host range restriction and virulence. It is a class I viral fusion protein and is responsible for penetration of the virus into the cell cytoplasm by mediating the fusion of the membrane of the endocytosed virus particle with the endosomal membrane.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3478 Plasmid DNA Sequence

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> RDC3478 Translated Insert Sequence

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