H3N2 Neuraminidase VersaClone cDNA

Catalog Number: RDC3624

Specifications:

Gene:	H3N2 Neuraminidase
Accession:	AAO46464.1
Insert size:	1423bp
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

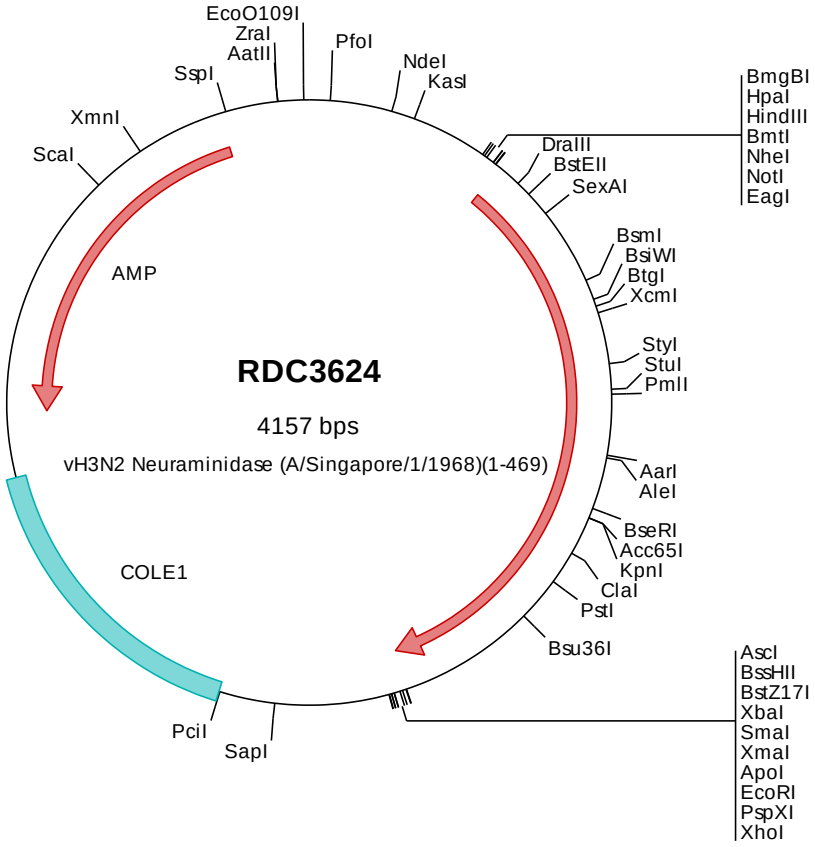
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Influenza A Virus H3N2 Neuraminidase cDNA Plasmid

neuraminidase [Influenza A virus (A/Singapore/1/68(H3N2))]

Summary:

Influenza viral neuraminidase is essential for the infectious cycle of the virus by releasing the foothold on the host cell membrane, sialic acid, to let the progeny viral particle go for the next infectious round. Influenza A Virus H3N2 was the cause for the 1968 Hong Kong Flu pandemic. Although this pandemic was as not devastating as the 1918 Spanish influenza, N2 neuraminidase is a common type of neuraminidase found in human influenza virus. N2 neuraminidase was also found in 1957 Asian Flu pandemic. Viral neuraminidases are targets for drug design. Both Tamiflu and Relenza are viral neuraminidase inhibitors.



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NOT FOR USE IN HUMANS

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R&D SYSTEMS

> RDC3624 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgaacccca accagaagat catcaccatc ggcagcgtga gcctgaccat
 501  cgccaccgtg tgcttcctga tgcagatcgc catcctggtg accaccgtga ccctgcactt caagcagtac gagtgcgaca gccccgccag caaccaggtg
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 701  acaggaactg gtccaagccg cagtgccaaa tcactgggtt tgcgcccttc agcaaggaca acagcattcg gctgagtgca ggcggtgata tctgggtaac
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1701  cattaatcgg tgcttctacg tggaactcat ccggggcagg aaacaagaga cccgcgtgtg gtggacaagt aatagcatcg tggtgttttg cggcactagc
1801  ggtacatacg ggaccggcag ctggcccgac ggtgccaata tcaacttcat gcccatttaa aggcgcgcca gtatactcta gagtcgacac ccggggaatt
1901  cctcgagcgc tcgtctctag cttggcgtaa tcatggtcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa
2001  gcataaagtg taaagcctgg ggtgcctaat gagtgagcta actcacatta attgcgttgc gctcactgcc cgctttccag tcgggaaacc tgtcgtgcca
2101  gctgcattaa tgaatcggcc aacgcgcggg gagaggcggt ttgcgtattg ggcgctcttc cgcttcctcg ctcactgact cgctgcgctc ggtcgttcgg
2201  ctgcggcgag cggtatcagc tcactcaaag gcggtaatac ggttatccac agaatcaggg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa
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> RDC3624 Translated Insert Sequence

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 201  atasfiydgr lvdsigswsq nilrtqesec vcingtctvv mtdgsasgra dtrilfieeg kivhisplsg saqhveecsc yprypgvrci crdnwkgsnr
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