

Influenza A virus (A/West Virginia/20/2022(H1N1)) segment 6 neuraminidase (NA) gene, complete cds

GenBank: OP010240.1

[FASTA Graphics](#)

[Go to:](#)

LOCUS OP010240 1433 bp cRNA linear VRL 24-JUL-2022
DEFINITION Influenza A virus (A/West Virginia/20/2022(H1N1)) segment 6
 neuraminidase (NA) gene, complete cds.
ACCESSION OP010240
VERSION OP010240.1
DBLINK BioProject: [PRJNA37813](#)
KEYWORDS .
SOURCE Influenza A virus
 ORGANISM [Influenza A virus](#)
 Viruses; Riboviria; Orthornavirae; Negarnaviricota;
 Polyploviricotina; Insthoviricetes; Articulavirales;
 Orthomyxoviridae; Alphainfluenzavirus.
REFERENCE 1 (bases 1 to 1433)
 AUTHORS Wentworth,D., Barnes,J. and Garten,R.
 TITLE Influenza Sequencing Activity group
 JOURNAL Unpublished
REFERENCE 2 (bases 1 to 1433)
 AUTHORS Wentworth,D., Barnes,J. and Garten,R.
 TITLE Direct Submission
 JOURNAL Submitted (18-JUL-2022) WHO Collaborating Center for
Surveillance,
 Epidemiology and Control of Influenza, Influenza Division, Centers
 for Disease Control and Prevention, 1600 Clifton Road, N.E.,
 Atlanta, GA 30333, USA
COMMENT ##FluData-START##
 EPI_ISOLATE_ID :: EPI_ISL_13286912
 NAME :: A/West Virginia/20/2022
 TYPE :: H1
 Segment_name :: NA
 HOST_AGE :: 7
 HOST_GENDER :: M
 PASSAGE :: Original
 LOCATION :: United States / West Virginia
 COLLECT_DATE :: 02-May-2022
 Lineage :: A(H1N1)pdm09
 SPECIMEN_ID :: E22M013873-01 ORIGINAL
 SENDER_LAB :: West Virginia Office of Laboratory Services
 SEQLAB_SAMPLE_ID :: 3030726188
 EPI_SEQUENCE_ID :: EPI2067492

##FluData-END##

FEATURES Location/Qualifiers

source 1..1433

 /organism="Influenza A virus"

 /mol_type="viral cRNA"

 /strain="A/West Virginia/20/2022"

 /serotype="H1N1"

 /host="Homo sapiens"

 /db_xref="taxon:11320"

 /segment="6"

 /country="USA: West Virginia"

 /collection_date="02-May-2022"

 /note="passage details:Original"

gene 9..1418

 /gene="NA"

CDS 9..1418

 /gene="NA"

 /codon_start=1

 /product="neuraminidase"

 /protein_id="UTQ95074.1"

 /translation="MNPNQKIITIGSICMAIGTANLILQIGNIISIWVSHSIQIGNQS

 QIETCNKSVITYENNTWVNQTFVNISNTNSAARHSVASVKLAGNSSLCPVSGWAIYSK

 DNSVRIGSKGDVFVIREPFISCSPLCRTLTFFLTQGALLNDKHSNGTIKDRSPYRTLMS

 CPIGEVPSPYNSRFESVAWSASACHDGTNWLITIGISGPDNGAVAVLKNGIITDTIKS

 WRNKILRTQESECACVNGSCFTIMTDGPSDQASYKIFRIEKGKIIKSVEMKAPNYYY

 EECSCYPDSSEITCVCRDNWHGNSRPWVSFNQNLEYQMGYICSGVFGDNPRPNDKTGS

 CGPVSSNGANGVKGFSFKYNGVWIGRTKSINSRKGFEIWDPNWGTGTDNKFSSKKQD

 IVGINEWSGYSGSFVQHPELTGLNCIRPCFWVELIRGRPEENTIWTSGSSISFCGVDS

 DIVGWSWPDGAELPFTIDK"

ORIGIN

1 agtttaaaat gaatccaaac caaaagataa taaccattgg ttctatctgt atggcaattg

61 gaacggctaa cttaatatgt caaattggaa acataatctc aatatgggtt agccactcaa

121 ttcaaattgg aaatcaaagc cagattgaaa catgcaataa aagcgtcatt acttatgaaa

181 acaacacttg ggtaaatcag acatttggtt acatcagcaa cactaactct gctgctagac

241 attcagtggc ttccgtgaaa ttagcgggca attcctctct ctgccctggt agtggatggg

301 ctatatatag taaagacaac agtgtaagaa tcggttccaa ggggatgtg tttgtcataa

361 gggaaccatt catatcatgc tctcccttgg aatgcagaac cttcttcttg actcaagggg

421 ctttgctaaa tgacaaacat tccaatggaa ccattaaaga cagaagccca taccgaaccc

481 taatgagctg tcctattggt gaagttccct ctccatacaa ctcaagattt gagtcagttg

541 cttggtcagc aagtgcctgt catgatggca ccaattggct aacaattgga atttctggcc

601 cagacaatgg ggcagtggct gtgttgaaat acaatggcat aataacagac actatcaaga

661 gttggaggaa caagatatgt agaacacaag agtctgaatg tgcagtgtgta aatggttctt

721 gctttacat aatgaccgat ggaccaatg atggacaggc ctcatacaaa atcttcagaa

781 tagaaaaggg aaagataatc aaatcagtcg aatgaaaagc ccctaattac tactatgaag

841 aatgctcctg ttaccctgat tctagtga aa tcacatgtgt gtgcagggat aactggcatg
901 gctcgaatcg accgtgggtg tctttcaacc agaatctgga atatcagatg ggatacatat
961 gcagtggggt tttcggagac aatccacgcc ctaatgataa gacaggcagt tgtgggtccag
1021 tatcgtctaa tggagcaa at ggggtaaaag gattttcatt caaatacggc aatgggtgttt
1081 ggatagggag aactaagagc attaatcaa gaaaagggtt tgagatgatt tgggatccga
1141 atggatggac tgggactgac aataaattct caaaaaagca agatatcgta ggaataaatg
1201 agtggtcagg gtatagcggg agttttgttc agcatccaga actaacaggg ctgaattgta
1261 taagaccttg cttctgggtt gaactaataa gaggacgacc cgaagagaac acaatctgga
1321 ctagcgggag cagcatatcc ttttgtgggt tagacagtga cattgtgggt tggctctggc
1381 cagacggtgc tgagttgcca tttaccattg acaagtaatt tgttcaaaaa act