

HER number

153

## Identification

Name  
 φKZ

Morphotype  
 A1 (Myophage)

Other designations

## Taxonomy

Realm  
 Duplodnaviria

Kingdom  
 Heunggongvirae

Phylum  
[Uroviricota](#)

Class  
 Caudoviricetes

Order

Family  
 Chimalliviridae

Genus  
 Phikzvirus

Species  
 Phikzvirus phiKZ

## Images

Electron Micrograph

Image



Image description

Magnification: 297,000X

Bar: 50 nm

Staining: UA

<p><i>Characteristics</i></p> <p>Plaques: &lt;0.1mm, veiled.  Stable in broth over 4-5 years.  Head contains inner protein cylinder.  Virulent, contaminates easily other cultures.  Very large genome (280.4 kbp, 483 ORFs).  <a href="http://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=169683">http://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=169683</a></p>	<p><i>Genomic sequence</i></p> <p>Activated</p>
--	---

## Propagation conditions

<p><i>Bacterial hosts</i></p> <p>1153</p>
---

<p><i>Reference</i></p> <p>Krylov, V. N., T. A. Smirnova, B. A. Rebentish, and I. B. Minenkova. 1978. The structure of Î;KZ bacteriophage particle. Vop. Virusol. pp. 568-571.</p>
--

<p><i>Remarks</i></p>
-----------------------

## History

<i>History</i>	
<p><b>Received from</b></p> <p>Prof. V. N. Krylov,  Institute for genetics and selection of industrial microorganisms,  P.O. Box 825,  Moscow, 113545,  Russia.</p>	<p><b>Date</b></p> <p>12-17-1982</p>
<p><b>Isolated by</b></p> <p>Krylov, V. N. and I. Zhazykov From:</p>	<p><b>Date</b></p> <p>1973</p>

<p><i>Source</i></p> <p>Sewage, Russia.</p>
---

*Updated at*  
2024-01-16