

Recombinant Enterobacteria phage phiX174 RepA Protein (Full Length), N-His tagged

Cat. No. RepA-1638E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Enterobacteria phage phiX174 A (full length) fused with the N-His tag was expressed in E. coli.
Species	Enterobacteria phage phiX174
Source	E.coli
ProteinLength	Full Length
Description	Plays an essential role in viral DNA replication. Binds the origin of replication and cleaves the dsDNA replicative form I (RFI) and becomes covalently bound to it via phosphotyrosine bond, generating the dsDNA replicative form II (RFII). In turn, viral DNA replication initiates in the presence of host Rep and DNA polymerase III at the 3'-OH of the cleavage site. After one round of rolling circle synthesis, protein A is linked to the newly synthesized ssDNA and joins the ends of the displaced strand to generate a circular single-stranded molecule ready to be packed into a virion.
Form	Lyophilized powder/frozen liquid
Molecular Mass	78.31 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5, 0.02% sarcosyl or lyophilized from PBS, pH 7.5, 0.02% sarcosyl.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Official Symbol	RepA
Synonyms	Replication-associated protein A; A; EC:3.1.21.-; EC:6.5.1.1; RepA
UniProt ID	P03631