



# Recombinant Enterobacteria phage RB69 DNA polymerase (43), partial

<b>Product Code</b>	CSB-EP655714ELM
<b>Abbreviation</b>	Recombinant Enterobacteria phage RB69 DNA polymerase protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q38087
<b>Form</b>	Liquid or Lyophilized powder
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
<b>Product Type</b>	Recombinant Enterobacteria phage RB69 DNA polymerase(43),partial
<b>Immunogen Species</b>	Escherichia phage RB69 (Bacteriophage RB69)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	YDHTKIRVANFDIEVTSPDGFPEPSQAKHPIDAITHYDSIDDRFYVFDLLNSPYG NVEEWSIEIAAKLQEQQGDEVPSEIIDKIIYMPFDNEKELLMEYLNFWQQKTPVI LTGWNVESFDIPYVYNRIKNIFGESTAKRLSPHRKTRVKVIENMYGSREIITLFGI SVLDYIDLYKKFSFTNQPSYSLDYISEFELNVGKLKYDGPISKLRESNHQRYISY NIIDVYRVLQIDAKRQF
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	43
<b>Expression Region</b>	103-340aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	35.4 kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

The expression of recombinant Escherichia phage RB69 (Bacteriophage RB69) DNA-directed DNA polymerase (Gp43) protein involves transfecting e.coli cells with a DNA expression vector carrying the gene for the protein of interest (103-340aa). After transfection, the cells are cultured to produce the desired protein. A N-terminal 10xHis tag and C-terminal Myc tag is fused to the protein. The recombinant Escherichia phage RB69 (Bacteriophage RB69) DNA-directed DNA polymerase (Gp43) protein is collected and purified from the cell lysate through affinity purification, attaining a purity greater than 90%, as determined by SDS-PAGE.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.