

T4 UvsY Recombinant Protein | T4 recombinant protein

T4 UvsY Protein

CATALOG # AAA74074	HOST E Coli
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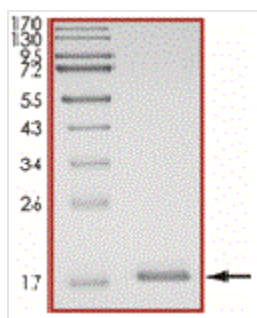
PRODUCT SYNONYMS

T4 UvsY; T4 UvsY Protein; Bacteriophage T4 DNA repair gene uvsY; recombination protein uvsY; T4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>80%
Form/Format	Recombinant protein stored in 50mM Tris, 100mM KCl, 0.1mM EDTA, 50mM Arginine, 0.1% Triton X-100, 1mM DTT, 50% glycerol, pH8.0.
Concentration	2.0ug/ul (varies by lot)
Tag	HIS
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Aliquot product into smaller quantities after centrifugation and store at -70°C. Avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for T4 recombinant protein	Description: Recombinant full-length T4 UvsY Protein from Escherichia virus T4 was expressed in E Coli using an N-terminal His-tag. The gene accession number is X04856. Scientific Background: UvsY is a bacteriophage T4 recombination mediator protein (RMP) which promotes homologous recombination. UvsY exists in solution predominantly as a hexamer, and binds to ssDNA in this form. UvsY facilitates assembly of presynaptic filaments by loading UvsX recombinase onto ssDNA and the concomitant displacement of Gp32 ssDNA-binding protein from ssDNA (1,2). Applications include, increasing yield and processivity of RT during RT-PCR and stimulating DNA synthesis in vitro.
Product Categories/Family for T4 recombinant protein	Isothermal Amplification-related Proteins; COVID19

References

1. Liu, J. et al: Mechanism of presynaptic filament stabilization by the bacteriophage T4 UvsY recombination mediator protein. *Biochemistry*, 2006; 45(17): 5493-5502.
2. Liu, J. et al: Assembly and dynamics of the bacteriophage T4 homologous recombination machinery. *Virology*, 2010; 7:357.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	X04856
Molecular Weight	18kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/t4-uvsy-recombinant-protein-e-coli/74074>