

Product datasheet

Recombinant RNA directed RNA polymerase L protein (His tag) ab239435

1 Image

Description

Product name	Recombinant RNA directed RNA polymerase L protein (His tag)	
Purity	> 85 % SDS-PAGE.	
Expression system	Escherichia coli	
Accession	Q8B0H0	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Sequence	ICIANHIDYEKWNNHQRKLSNGPVFRVMGQFLGYPSLIERT HEFFEKSLI YNGRPDLMRVHNNTLVNSTSQRVCWQQQEGGLEGLRQ KGWSILNLLVIQ REAKIRNTAVKVLAAQGDNQVICTQYKTKKSRNVVELQSAL NQMVSNNEKI MTAIKIGTGKLGLLINDETMQSADYLNYGKIPFRG	
Predicted molecular weight	25 kDa including tags	
Amino acids	598 to 784	
Tags	His tag N-Terminus	
Additional sequence information	Vesicular stomatitis Indiana virus (strain 94GUB Central America) (VSM). RdRp catalytic domain.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab239435** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

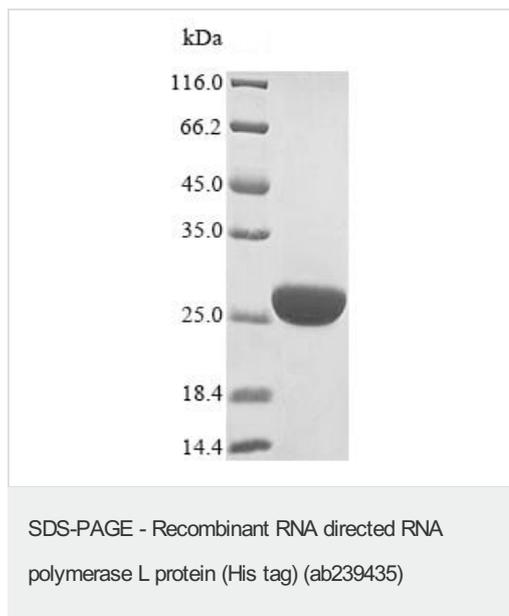
Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

General Info

Relevance

RNA-directed RNA polymerase that catalyzes the transcription of viral mRNAs, their capping and polyadenylation. The template is composed of the viral RNA tightly encapsidated by the nucleoprotein (N). The viral polymerase binds to the genomic RNA at the 3' leader promoter, and transcribes subsequently all viral mRNAs with a decreasing efficiency. The first gene is the most transcribed, and the last the least transcribed. The viral phosphoprotein acts as a processivity factor. Capping is concomitant with initiation of mRNA transcription. Indeed, a GDP polyribonucleotidyl transferase (PRNTase) adds the cap structure when the nascent RNA chain length has reached few nucleotides. Ribose 2'-O methylation of viral mRNA cap precedes and facilitates subsequent guanine-N-7 methylation, both activities being carried by the viral polymerase. Polyadenylation of mRNAs occur by a stuttering mechanism at a slippery stop site present at the end viral genes. After finishing transcription of a mRNA, the polymerase can resume transcription of the downstream gene.

Images



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis with 5% enrichment gel and 15% separation gel of ab239435.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you

- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors