Datasheet for ABIN5710123

POLR3A Protein (AA 392-632, partial) (His-SUMO Tag)

1 Image

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Overview

Quantity:	100 µg
Target:	POLR3A
Protein Characteristics:	AA 392-632, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLR3A protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	FPEKVNKANI NFLRKLVQNG PEVHPGANFI QQRHTQMKRF LKYGNREKMA QELKYGDIVE RHLIDGDVVL FNRQPSLHKL SIMAHLARVK PHRTFRFNEC VCTPYNADFD GDEMNLHLPQ TEEAKAEALV LMGTKANLVT PRNGEPLIAA IQDFLTGAYL LTLKDTFFDR AKACQIIASI LVGKDEKIKV RLPPPTILKP VTLWTGKQIF SVILRPSDDN PVRANLRTKG KQYCGKGEDL C
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	POLR3A
Alternative Name:	RPC1 (POLR3A Products)
Background:	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four

Target Details

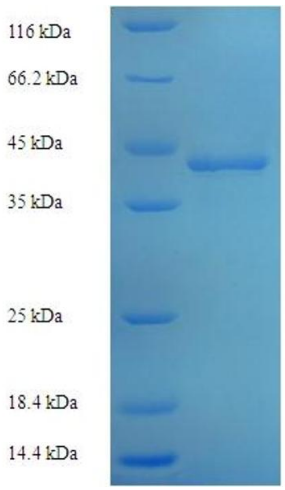
	ribonucleoside triphosphates as substrates. Largest and catalytic core component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. Forms the polymerase active center together with the second largest subunit. A single-stranded DNA tplate strand of the promoter is positioned within the central active site cleft of Pol III. A bridging helix anates from RPC1 and crosses the cleft near the catalytic site and is thought to promote translocation of Pol III by acting as a ratchet that moves the RNA-DNA hybrid through the active site by switching from straight to bent conformations at each step of nucleotide addition . Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as tplate for transcription into dsRNA. The non-self RNA polymerase III transcripts, such as Epstein-Barr virus-encoded RNAs (EBERs) induce type I interferon and NF- Kappa-B through the RIG-I pathway.
Molecular Weight:	43.34 kDa
UniProt:	O14802

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.