Datasheet for ABIN1047599

RPA3 Protein (AA 1-119, partial) (His tag)

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Overview

Quantity:	100 µg
Target:	RPA3
Protein Characteristics:	AA 1-119, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPA3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), ELISA

Product Details

Sequence:	MVDMMDLPRS RINAGMLAQF IDKPVCFVGR LEKIHPTGKM FILSDGEGKN GTIELMEPLD EEISGIVEVV GRVTAKATIL CTSYVQFKED SHPFDLGLYN EAVKIIHDFP QFYPLGIVQ
Specificity:	N-terminal 6xHis-tagged
Characteristics:	Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions. Ref.7 Ref.9 Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair, it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual incision/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange. Ref.7 Ref.9

Product Details

Purity:	95 %

Target Details

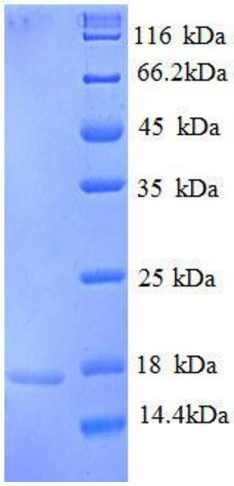
Target:	RPA3
Alternative Name:	Replication protein A 14 kDa subunit (RPA3 Products)
Background:	Synonyms: Replication factor A protein 3
Molecular Weight:	17.4 kD
UniProt:	P35244
Pathways:	Telomere Maintenance, DNA Damage Repair, Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA

Application Details

Comment:	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized or Liquid
Buffer:	Liquid protein in buffer: 10 mM Tris-HCl, 1 mM EDTA, pH 8.0,50% glycerol
Storage:	-20 °C



SDS-PAGE

Image 1.

