

# Recombinant Human Replication factor C subunit 1(RFC1),partial

Catalog No: #AP77528

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Package Size: #AP77528-1 20ug #AP77528-2 100ug #AP77528-3 1mg

## Description

Product Name	Recombinant Human Replication factor C subunit 1(RFC1),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 85% as determined by SDS-PAGE.
Immunogen Description	Expression Region:402-492aaSequence Info:Partial
Other Names	Activator 1 140KDA subunit
Accession No.	P35251
Uniprot	P35251
GeneID	5981;
Calculated MW	14.8 kDa
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Target Sequence	GAENCLEGLIFVITGVLESIERDEAKSLIERYGKVTGNVSKTNYLVMGRDSGQSKSDKAAALGTKIIDEDGLL NLIRTMPGKKSKYEIA
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

The elongation of primed DNA templates by DNA polymerase delta and epsilon requires the action of the accessory proteins PCNA and activator 1. This subunit binds to the primer-template junction. Binds the PO-B transcription element as well as other GA rich DNA sequences. Could play a role in DNA transcription regulation as well as DNA replication and/or repair. Can bind single- or double-stranded DNA. Interacts with C-terminus of PCNA. 5' phosphate residue is required for binding of the N-terminal DNA-binding domain to duplex DNA, suggesting a role in recognition of non-primer template DNA structures during replication and/or repair.

## References

"The human DNA-binding protein, PO-GA, is homologous to the large subunit of mouse replication factor C: regulation by alternate 3' processing of mRNA."

Lu Y., Riegel A.T.

Gene 145:261-265(1994)Research Topic:Epigenetics and Nuclear Signaling

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Note: This product is for in vitro research use only