

Recombinant Human RFC5 protein, His & T7-tagged

Cat. No. RFC5-1699H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RFC5 aa. (Met1~Ile219 (Accession # P40937)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Ile219
Description	This gene encodes the smallest subunit of the replication factor C complex, which consists of five distinct subunits (140, 40, 38, 37, and 36 kDa) and is required for DNA replication. This subunit interacts with the C-terminal region of proliferating cell nuclear antigen and is required to open and load proliferating cell nuclear antigen onto DNA during S phase. It is a member of the AAA+ (ATPases associated with various cellular activities) ATPase family and forms a core complex with the 38 and 40 kDa subunits that possesses DNA-dependent ATPase activity. A related pseudogene has been identified on chromosome 9. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	8.3

GENE INFORMATION

Gene Name	RFC5 replication factor C subunit 5 [Homo sapiens (human)]
Official Symbol	RFC5
Synonyms	RFC5; replication factor C subunit 5; RFC36; replication factor C subunit 5; A1 36 kDa subunit; RF-C 36 kDa subunit; RFC, 36.5 kD subunit; replication factor C (activator 1) 5, 36.5kDa; replication factor C, 36-kDa subunit
Gene ID	5985

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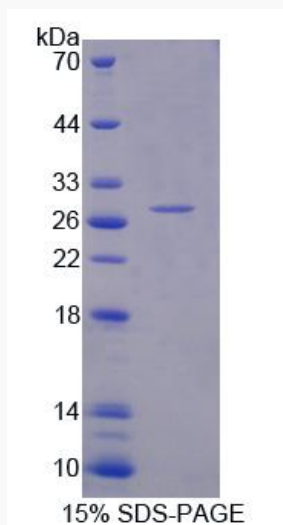
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mRNA Refseq NM_001130112.3

Protein Refseq NP_001123584.1

UniProt ID P40937

SDS-PAGE



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