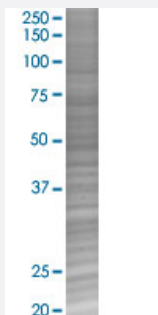


# RFC4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005984-T02

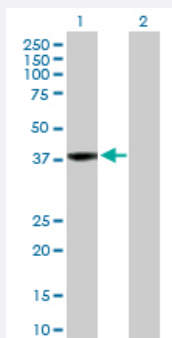
Size 100 uL

## Applications



### SDS-PAGE Gel

RFC4 transfected lysate.



### Western Blot

Lane 1: RFC4 transfected lysate ( 39.70 KDa)

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-RFC4 full-length

**Host** Human

**Theoretical MW (kDa)** 39.7

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-RFC4 antibody ([H00005984-D01P](#)) by Western Blots.  
 SDS-PAGE Gel  
 RFC4 transfected lysate.  
 Western Blot  
 Lane 1: RFC4 transfected lysate ( 39.70 KDa)  
 Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — RFC4

**Entrez GeneID**[5984](#)**GeneBank Accession#**[NM\\_002916](#)**Protein Accession#**[NP\\_002907.1](#)**Gene Name**

RFC4

**Gene Alias**

A1, MGC27291, RFC37

**Gene Description**

replication factor C (activator 1) 4, 37kDa

**Omim ID**[102577](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The elongation of primed DNA templates by DNA polymerase delta and DNA polymerase epsilon requires the accessory proteins proliferating cell nuclear antigen (PCNA) and replication factor C (RFC). RFC, also named activator 1, is a protein complex consisting of five distinct subunits of 140, 40, 38, 37, and 36 kD. This gene encodes the 37 kD subunit. This subunit forms a core complex with the 36 and 40 kDa subunits. The core complex possesses DNA-dependent ATPase activity, which was found to be stimulated by PCNA in an in vitro system. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq]

**Other Designations**

A1 37 kDa subunit|RFC 37 kDa subunit|activator 1 37 kDa subunit|replication factor C (activator 1) 4 (37kD)|replication factor C 4

## Pathway

- [DNA replication](#)
- [Mismatch repair](#)

- [Nucleotide excision repair](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Multiple Sclerosis](#)
- [Urinary Bladder Neoplasms](#)