

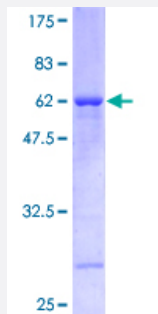
Full-Length

## RFC2 (Human) Recombinant Protein (P01)

Catalog # H00005982-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human RFC2 full-length ORF ( AAH02813, 1 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MEVEAVCGGAGEVEAQDSDPAPAFSKAPGSAGHYELPWVEKYRPVKLNEIVGNEDTVSRLEVF  
AREGNVPNIAGPPGTGKTTSILCLARALLGPALKDAMLELNASNDSDMTDGAQQALRRTMEYSKT  
TRFALACNASDKIIPIQSRCAVLRYSKLTDAQILTRLMNVIEKERVPTDDGLEAIIIFTAQGDMRQAL  
NNLQSTFSGFGFINSENVFKVCDEPHLLVKEMIQHCVNANIDEAYKILAHLWHLGYSPEDIIGNIFR  
VCKTFQMAEYKLEFIKEIGYTHMKIAEGVNSLLQMAGLLARLCQKTMAPVAS

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

60.83

#### Interspecies Antigen Sequence

Mouse (82); Rat (82)

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

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

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — RFC2

**Entrez GeneID**[5982](#)**GeneBank Accession#**[BC002813.1](#)**Protein Accession#**[AAH02813](#)**Gene Name**

RFC2

**Gene Alias**

A1, MGC3665, RFC40

**Gene Description**

replication factor C (activator 1) 2, 40kDa

**Omim ID**[600404](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The elongation of primed DNA templates by DNA polymerase delta and epsilon requires the action of the accessory proteins, proliferating cell nuclear antigen (PCNA) and replication factor C (RFC). RFC, also called activator 1, is a protein complex consisting of five distinct subunits of 145, 40, 38, 37, and 36.5 kD. This gene encodes the 40 kD subunit, which has been shown to be responsible for binding ATP. Deletion of this gene has been associated with Williams syndrome. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]

**Other Designations**

activator 1|replication factor C 2

## Pathway

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

## Disease

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