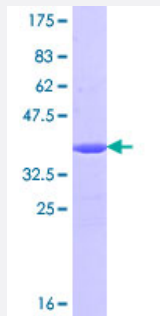


# RFC4 (Human) Recombinant Protein (Q01)

Catalog # H00005984-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human RFC4 partial ORF ( AAH17452, 254 a.a. - 363 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	GKEITEKVITDIAGVIPAEKIDGVFAACQSGSFDKLEAVVKDLIDEGHAATQLVNQLHDVVVENNLS DKQKSIITEKLAEVDKCLADGADEHLQLISLCATVMQQLSQNC
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37.73
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 — RFC4

Entrez GeneID [5984](#)

GeneBank Accession# [BC017452](#)

Protein Accession# [AAH17452](#)

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](#)