

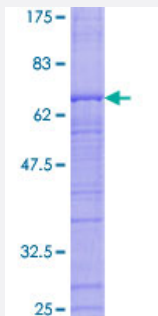
Full-Length

RFC3 (Human) Recombinant Protein (P01)

Catalog # H00005983-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RFC3 full-length ORF (AAH00149.1, 1 a.a. - 356 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSLWVDKYRPCSLGRLDYHKEQAAQLRNLVQCGDFPHLLVYGPSGAGKKTRIMCILRELYGVGV
EKLRIEHQTITTPSKKKIEISTIASNYHLEVNPSDAGNSDRVVIQEMLKTVAQSQQLETNSQGDFKVV
LLTEVDKLTQDAQHALRRTMEKYMSTCRLILCCNSTSKVIPPIRSRCLAVRVPAPSIEDICHVLSTVC
KKEGLNLPSQLAHLAEKSCRNLRKALLMCEACRVQQYPFTADQEIPETDWEVYLRETANAVSQ
QTPQRLLEVRGRLYELLTHCIPPEIIMKGLLSELLHNCGGQLKGEVAQMAAYYEHRLQLGSKAMHL
EAFVAKFMALYKKFMEDGLEGMMF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.9

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 — RFC3

Entrez GeneID [5983](#)

GeneBank Accession# [BC000149](#)

Protein Accession# [AAH00149.1](#)

Gene Name RFC3

Gene Alias MGC5276, RFC38

Gene Description replication factor C (activator 1) 3, 38kDa

Omim ID [600405](#)

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 kDa. This gene encodes the 38 kDa subunit. This subunit is essential for the interaction between the 140 kDa subunit and the core complex that consists of the 36, 37, and 40 kDa subunits. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]

Other Designations A1 38 kDa subunit|OTTHUMP00000018237|RFC, 38 kD subunit|replication factor C (activator 1) 3 (38kD)|replication factor C 3

Pathway

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

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Graft vs Host Disease](#)
- [Kidney Failure](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)