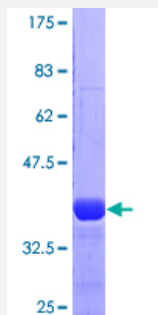


RFC1 (Human) Recombinant Protein (Q01)

Catalog # H00005981-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RFC1 partial ORF (AAH51786, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDIRKFFGVIPSGKKLVSETVKKNEKTKSDEETLKAKKGIKEIKVNSSRKEDDFKQKQPSKKKRIY DSDSESEETLQVKNAKKPPEKLPVSSKPGKISRQDPVTYSET
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.51
Interspecies Antigen Sequence	Mouse (75); Rat (77)
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 — RFC1

Entrez GeneID [5981](#)

GeneBank Accession# [BC051786](#)

Protein Accession# [AAH51786](#)

Gene Name RFC1

Gene Alias A1, MGC51786, MHCBBF, PO-GA, RECC1, RFC, RFC140

Gene Description replication factor C (activator 1) 1, 145kDa

Omim ID [102579](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is the large subunit of replication factor C, which is a five subunit DNA polymerase accessory protein. Replication factor C is a DNA-dependent ATPase that is required for eukaryotic DNA replication and repair. The protein acts as an activator of DNA polymerases, binds to the 3' end of primers, and promotes coordinated synthesis of both strands. It also may have a role in telomere stability. [provided by RefSeq]

Other Designations MHC binding factor, beta|replication factor C (activator 1) 1 (145kD)|replication factor C large subunit|replication factor C1

Pathway

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

Disease

- [Abnormalities](#)
- [Abruptio Placentae](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Aneuploidy](#)
- [Arthritis](#)
- [Autistic Disorder](#)
- [Avitaminosis](#)
- [Bone Neoplasms](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Central Nervous System Neoplasms](#)
- [Chromosome Aberrations](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Colitis](#)
- [Colon cancer](#)

- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Down Syndrome](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Folic Acid Deficiency](#)
- [Gastrointestinal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Heart Defects](#)
- [Hematologic Diseases](#)
- [Hypertension](#)
- [Intracranial Aneurysm](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Diseases](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Meningioma](#)
- [Micronuclei](#)
- [Multiple Sclerosis](#)

- [Neural Tube Defects](#)
- [Osteosarcoma](#)
- [Pregnancy Complications](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Retinal Neoplasms](#)
- [Retinoblastoma](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Venous Thrombosis](#)