

Recombinant Full Length Human RFC5 Protein, GST-tagged

Cat. No. RFC5-6870HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human RFC5 full-length ORF (AAH13961, 1 a.a. - 340 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	340 amino acids
Description	This gene encodes the smallest subunit of the replication factor C complex, which consists of five distinct subunits (140, 40, 38, 37, and 36 kDa) and is required for DNA replication. This subunit interacts with the C-terminal region of proliferating cell nuclear antigen and is required to open and load proliferating cell nuclear antigen onto DNA during S phase. It is a member of the AAA+ (ATPases associated with various cellular activities) ATPase family and forms a core complex with the 38 and 40 kDa subunits that possesses DNA-dependent ATPase activity. A related pseudogene has been identified on chromosome 9. Alternative splicing results in multiple transcript variants.
Molecular Mass	63.14 kDa
AA Sequence	METSALKQQEQPAATKIRNLPWVEKYRPQTLNDLISHQDILSTIQKFINE DRLPHLLLY GPPGTGKTSTILACAKQLYKDKEFGSMVLELNASDDRGIDIIRGPILSFASTRTIFKKG FKLVILDEADAMTQDAQNALRRVIEKFTENTRFCLICNYLSKIIPALQSRCTRFRFGPL TPELMAPRLEHVVEEEKVDISEDGMKALVTLSSGDMRRALNILQSTNMAFGKVTEET

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VYTCTGHPLKSDIANILDWMLNQDFTTAYRNITELKTLKGLALHDILTEIHLFVHRVDF
PSSVRIHLLTKMADIEYRLSVGTNEKIQLSSLIAAFQVTRDLIVAEA

Applications

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

Storage

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

Storage Buffer

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

GENE INFORMATION

Gene Name

RFC5 replication factor C subunit 5 [Homo sapiens (human)]

Official Symbol

RFC5

Synonyms

RFC5; replication factor C subunit 5; RFC36; replication factor C subunit 5; A1 36 kDa subunit; RF-C 36 kDa subunit; RFC, 36.5 kD subunit; replication factor C (activator 1) 5, 36.5kDa; replication factor C, 36-kDa subunit

Gene ID

5985

mRNA Refseq

NM_181578

Protein Refseq

NP_853556

MIM

600407

UniProt ID

P40937

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