

Recombinant Human RFC2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RFC2-1928H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RFC2 MS Standard C13 and N15-labeled recombinant protein (NP_002905) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the activator 1 small subunits family. 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). Replication factor C, also called activator 1, is a protein complex consisting of five distinct subunits. This gene encodes the 40 kD subunit, which has been shown to be responsible for binding ATP and may help promote cell survival. Disruption of this gene is associated with Williams syndrome. Alternatively spliced transcript variants encoding distinct isoforms have been described. A pseudogene of this gene has been defined on chromosome 2.
Molecular Mass	35.2 kDa
AA Sequence	MEVEAVCGGAGEVEAQDSDPAPAFSKAPGSAGHYELPWVEKYRPVKLNEIVGNED TVSRLEVFAREGNVPNIIAGPPGTGKTTTILCLARALLGPALKDAMLELNASNDSMT DGAQQALRRTMEIYSKTTTRFALACNASDKIIEPIQSRCAVLRYSKLTDQILTRLMNVI EKERPYPYTDGGLAIIFTAQGD MRQALNNLQSTFSGFGFINSENVFKVCDEPHPLL

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KEMIQHCVNANIDEAYKILAH LWHLGYSPEDIIGNIFRVCKTFQMAEY LKLEFIKEIGYT
 HMKIAEGVNSLLQMAGLLARLCQKTMAPVASTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name RFC2 replication factor C subunit 2 [Homo sapiens (human)]

Official Symbol RFC2

Synonyms RFC2; replication factor C (activator 1) 2, 40kDa; replication factor C (activator 1) 2 (40kD); replication factor C subunit 2; A1; activator 1; RFC40; A1 40 kDa subunit; RF-C 40 kDa subunit; activator 1 subunit 2; replication factor C 2; activator 1 40 kDa subunit; MGC3665;

Gene ID 5982

mRNA Refseq NM_002914

Protein Refseq NP_002905

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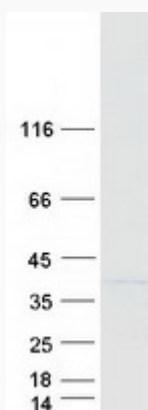
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MIM 600404

UniProt ID P35250

SDS-PAGE



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