

Product datasheet for **TP301138M**

RFC2 (NM_002914) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human replication factor C (activator 1) 2, 40kDa (RFC2), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201138 protein sequence Red =Cloning site Green =Tags(s)
	 MEVEAVCGGAGEVEAQDSDPAPAFSKAPGSAGHYELPWVEKYRPVKLNEIVGNEDTVSRLEVFAREGNVP NIIIAGPPGTGKTTTILCLARALLGPALKDAMLELNASNDSMTDGAQQALRRTMEIYSKTTRFALACNAS DKIIEPIQSRCAVLRYSKLTDAQILTRLMNVIEKERVYPTDDGLEAIIFTAQQGDMRQALNNLQSTFSGFG FINSENVFKVCDEPHPLLVKEMIQHCNVANIDEAYKILAHLWHLGYSPEDIIGNIFRVCKTFQMAEYLKL EFIKEIGYTHMKIAEGVNSLLQ MAGLLARLCQKTMAPVAS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	35.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002905</u>
Locus ID:	5982



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UniProt ID: [P35250](#), [Q75MT5](#)

RefSeq Size: 1657

Cytogenetics: 7q11.23

RefSeq ORF: 960

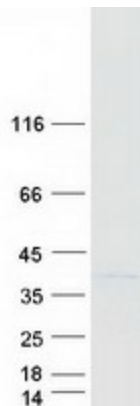
Synonyms: RFC40

Summary: 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. [provided by RefSeq, Jul 2013]

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: DNA replication, Mismatch repair, Nucleotide excision repair

Product images:



Coomassie blue staining of purified RFC2 protein (Cat# [TP301138]). The protein was produced from HEK293T cells transfected with RFC2 cDNA clone (Cat# [RC201138]) using MegaTran 2.0 (Cat# [TT210002]).