

Product datasheet for **TP311392**

RFC4 (NM_181573) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human replication factor C (activator 1) 4, 37kDa (RFC4), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211392 representing NM_181573 Red =Cloning site Green =Tags(s)
	<p>MQAFLKGTSTISKPPLTKDRGVAASAGSSGENKKAKPVPWVEKYRPKCVDEVAFQEEVWAVLKKSLEGAD LPNLLFYGPPGTGKTSTILAAARELFGPELFRRLRVLELNASDERGIQVREKVKNFAQLTVSGSRSDGKP CPPFKIVILDEADSMTSAAQAALRRTMEKESKTRFCLICNYVSRIIEPLTSRCSKFRFKPLSDKIQQQR LLDIAKKENVKISDEGIAYLVKVSEGDLRKAITFLQSATRLTGGKEITEKVITDIAGVIPAEKIDGVFAA CQSGSFDKLEAVVKDLIDEGHAATQLVNLQHDVWVNNLSDKQKSIITEKLAEVDKCLADGADEHLQLIS LCATVMQQLSQNC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	39.5 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_853551</u>



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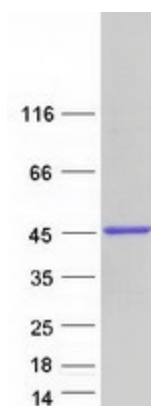
Locus ID:	5984
UniProt ID:	P35249
RefSeq Size:	1395
Cytogenetics:	3q27.3
RefSeq ORF:	1089
Synonyms:	A1; RFC37

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 kD. This gene encodes the 37 kD subunit. This subunit forms a core complex with the 36 and 40 kDa subunits. The core complex possesses DNA-dependent ATPase activity, which was found to be stimulated by PCNA in an in vitro system. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Stem cell - Pluripotency

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

Product images:



Coomassie blue staining of purified RFC4 protein (Cat# TP311392). The protein was produced from HEK293T cells transfected with RFC4 cDNA clone (Cat# [RC211392]) using MegaTran 2.0 (Cat# [TT210002]).