Recombinant Human RFC4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RFC4-2256H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RFC4 MS Standard C13 and N15-labeled recombinant protein (NP_002907) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	39.7 kDa
AA Sequence	MQAFLKGTSISTKPPLTKDRGVAASAGSSGENKKAKPVPWVEKYRPKCVDEVAFQE EVVAVLKKSLEGADLPNLLFYGPPGTGKTSTILAAARELFGPELFRLRVLELNASDER GIQVVREKVKNFAQLTVSGSRSDGKPCPPFKIVILDEADSMTSAAQAALRRTMEKES KTTRFCLICNYVSRIIEPLTSRCSKFRFKPLSDKIQQQRLLDIAKKENVKISDEGIAYLV KVSEGDLRKAITFLQSATRLTGGKEITEKVITDIAGVIPAEKIDGVFAACQSGSFDKLE

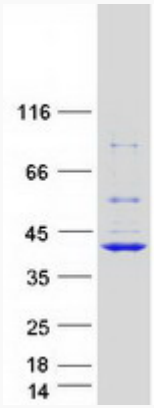
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	AVVKDLIDEGHAATQLVNQLHDVVVENNLSDKQKSIITEKLAEVDKCLADGADEHLQL ISLCATVMQQLSQNCTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage 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	RFC4 replication factor C subunit 4 [Homo sapiens (human)]
Official Symbol	RFC4
Synonyms	RFC4; replication factor C (activator 1) 4, 37kDa; replication factor C (activator 1) 4 (37kD); replication factor C subunit 4; A1; A1 37 kDa subunit; activator 1 37 kDa subunit; RFC 37 kDa subunit; RFC37; RF-C 37 kDa subunit; activator 1 subunit 4; replication factor C 37 kDa subunit; MGC27291;
Gene ID	5984
mRNA Refseq	NM_002916
Protein Refseq	NP_002907

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MIM	102577
UniProt ID	P35249
SDS-PAGE	

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