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Product datasheet for PH311392

RFC4 (NM_181573) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RFC4 MS Standard C13 and N15-labeled recombinant protein (NP_853551)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211392
Predicted MW:	39.5 kDa
Protein Sequence:	>RC211392 representing NM_181573 Red=Cloning site Green=Tags(s) MQAFLKGTSISTKPPLTKDRGVAASAGSSGENKKAKPVPWVEKYRPKCVDEVAFQEEVVAVLKKSLEGAD LPNLLFYGPPGTGKTSTILAAARELFGPELFRLRVLELNASDERGIQVVREKVKNFAQLTVSGSRSDGKP CPPFKIVILDEADSMTSAAQAALRRTMEKESKTTRFCLICNYVSRIIEPLTSRCSKFRFKPLSDKIQQQR LLDIAKKENVKISDEGIAYLVKVSEGDLRKAITFLQSATRLTGGKEITEKVITDIAGVIPAEKIDGVFAA CQSGSFDKLEAVVKDLIDEGHAATQLVNQLHDVVVENNLSDKQKSIITEKLAEVDKCLADGADEHLQLIS LCATVMQQLSQNC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_853551
RefSeq Size:	1395
RefSeq ORF:	1089
Synonyms:	A1; RFC37
Locus ID:	5984

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UniProt ID: P35249

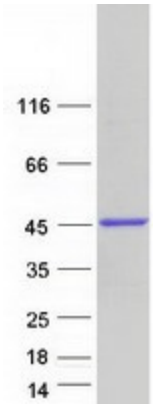
Cytogenetics: 3q27.3

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]).