Recombinant Human RFC1 Protein (402-492 aa), His-tagged

Cat. No. RFC1-2394H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RFC1 Protein (402-492 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	402-492 aa
Description	The elongation of primed DNA templates by DNA polymerase delta and epsilon requires the action of the accessory proteins PCNA and activator 1. This subunit binds to the primer-template junction. Binds the PO-B transcription element as well as other GA rich DNA sequences. Could play a role in DNA transcription regulation as well as DNA replication and/or repair. Can bind single- or double-stranded DNA. Interacts with C-terminus of PCNA. 5' phosphate residue is required for binding of the N-terminal DNA-binding domain to duplex DNA, suggesting a role in recognition of non-primer template DNA structures during replication and/or repair.
Form	Tris-based buffer,50% glycerol
Molecular Mass	11.8 kDa
AA Sequence	GAENCLEGLIFVITGVLESIERDEAKSLIERYGGKVTGNVSKKTNYLVMGRDSGQSKS DKAAALGTKIIDEDGLLNLIRTMPGKKSKYEIA

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	RFC1 replication factor C (activator 1) 1, 145kDa [Homo sapiens]
Official Symbol	RFC1
Synonyms	RFC1; A1; MHCBFB; PO GA; RFC140; A1 140 kDa subunit; RF-C 140 kDa subunit; activator 1 subunit 1; RFC; PO-GA; RECC1; MGC51786;
Gene ID	5981
mRNA Refseq	NM_001204747
Protein Refseq	NP_001191676
MIM	102579
UniProt ID	P35251

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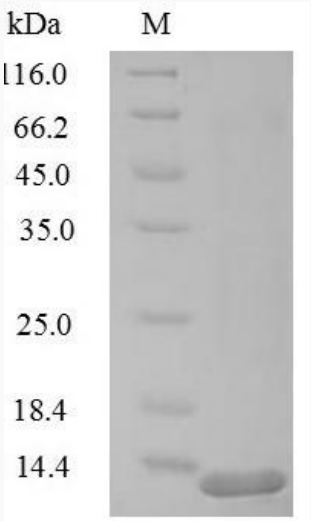

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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