Recombinant Human RFC4 protein, His & T7-tagged

Cat. No. RFC4-1701H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RFC4 aa. (Met1~Asp 213 (Accession # P35249)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Asp 213
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
Isoelectric Point	9.6

GENE INFORMATION

Gene Name	RFC4 replication factor C subunit 4 [Homo sapiens (human)]
Official Symbol	RFC4
Synonyms	RFC4; replication factor C subunit 4; A1; RFC37; replication factor C subunit 4; A1 37 kDa subunit; RF-C 37 kDa subunit; RFC 37 kDa subunit; activator 1 37 kDa subunit; activator 1 subunit 4; replication factor C (activator 1) 4, 37kDa; replication factor C 37 kDa subunit
Gene ID	5984
mRNA Refseq	NM_002916.3

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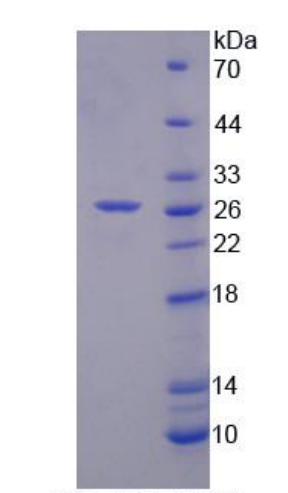
Protein Refseq	NP_002907.1
UniProt ID	P35249
SDS-PAGE	 15% SDS-PAGE

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