

Recombinant Human RFC3 Protein, His-tagged

Cat. No. RFC3-2653H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RFC3 Protein (Met1-Pro288) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Pro288
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 kDa. This gene encodes the 38 kDa subunit. This subunit is essential for the interaction between the 140 kDa subunit and the core complex that consists of the 36, 37, and 40 kDa subunits. Alternatively spliced transcript variants encoding distinct isoforms have been described.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.4 kDa Accurate Molecular Mass: 38 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	RFC3 replication factor C (activator 1) 3, 38kDa [Homo sapiens (human)]
Official Symbol	RFC3
Synonyms	RFC3; replication factor C (activator 1) 3, 38kDa; replication factor C (activator 1) 3 (38kD); replication factor C subunit 3; A1 38 kDa subunit; MGC5276; RFC; 38 kD subunit; RFC38; RFC, 38 kD subunit; RF-C 38 kDa subunit; activator 1 subunit 3; activator 1 38 kDa subunit; replication factor C 38 kDa subunit;
Gene ID	5983
mRNA Refseq	NM_002915

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Protein Refseq	NP_002906
MIM	600405
UniProt ID	P40938

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