

Recombinant Full Length Human RFC3 Protein, C-Myc/DDK-tagged

Cat. No. RFC3-04HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RFC3 Protein, fused to Myc/DDK-tag at C-terminus, was expressed in HEK293T.
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 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	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	40.4 kDa
AA Sequence	MSLWVDKYRPCSLGRLDYHKEQAAQLRNLVQCGDFPHLLVYGPSGAGKKTRIMCIL RELYGVGVEKLRIE HQTITTPSKKKIEISTIASNYHLEVNPSPDAGNSDRVVIQEMLKTV AQSQQLETN SQRDFKVVLLTEVDKL TKDAQHALRRTMEKYMSTCRLILCCNSTSKVI PPIRSRCLAVRVPAPSIEDICHVLSTVCKKEGLNLPSQ LAHRLAEKSCRNLRKALLMC

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EACRVQQYPFTADQEIPETDWEVYLRETANAIVSQQTPQRLLEVGRGLYE LLTHCIP
PEIIMKGLLSELLHNCDGQLKGEVAQMAAYYEHRLQLGSKAIYHLEAFVAKFMALYK
KFMEDG LEGMMF TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Applications Cell culture: For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families Stem cell - Pluripotency

Protein Pathways DNA replication, Mismatch repair, Nucleotide excision repair

Full Length Full L.

GENE INFORMATION

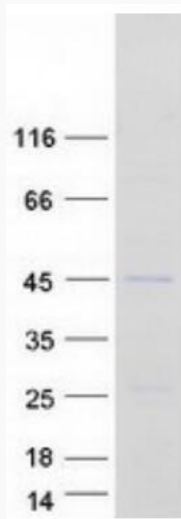
Gene Name RFC3 replication factor C subunit 3 [Homo sapiens (human)]

Official Symbol RFC3

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Synonyms	RFC38
Gene ID	5983
mRNA Refseq	NM_002915.4
Protein Refseq	NP_002906.1
MIM	600405
UniProt ID	P40938
SDS-PAGE	 Coomassie blue staining of purified RFC3 protein.