

## Product datasheet for PH301655

### RFC3 (NM\_002915) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RFC3 MS Standard C13 and N15-labeled recombinant protein (NP_002906)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201655
Predicted MW:	40.6 kDa
Protein Sequence:	>RC201655 protein sequence Red=Cloning site Green=Tags(s)  MSLWVDKYRPCSLGRLDYHKEQAAQLRNLVQCGDFPHLLVYGPSGAGKKTRIMCILRELYGVGVEKLRIE HQTITTPSKKKIEISTIASNYHLEVNP SDAGNSDRVVIQEMLKTVAQSQQLETNSQDFKVVLLTEVDKL TKDAQHALRRTMEKYMSTCRLILCCNSTSKVIPP IRSRCLAVRVPAPSI EDICHVLSTVCKKEGLNLP SQ LAHRLAEKSCRNLRKALLMCEACRVQYPFTADQEIPETDWEVYLRETANAIVSQTPQRLLEVRGRLYE LLTHCIPPEIIMKGLLSELLHNC DGQLKGEVAQMAAYYEHRLQLGSKAIYHLEAFVAKFMALYKKFMEDG LEGMMF  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<u>NP_002906</u>
RefSeq Size:	2396
RefSeq ORF:	1068
Synonyms:	RFC38
Locus ID:	5983



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UniProt ID: [P40938](#), [A0A024RDQ8](#)

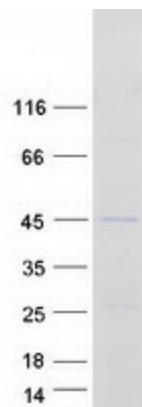
Cytogenetics: 13q13.2

**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 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Stem cell - Pluripotency

**Protein Pathways:** DNA replication, Mismatch repair, Nucleotide excision repair

### Product images:



Coomassie blue staining of purified RFC3 protein (Cat# [TP301655]). The protein was produced from HEK293T cells transfected with RFC3 cDNA clone (Cat# [RC201655]) using MegaTran 2.0 (Cat# [TT210002]).