

Product datasheet for SC317480

RFPL1 (NM_021026) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RFPL1 (NM_021026) Human Untagged Clone
Tag:	Tag Free
Symbol:	RFPL1
Synonyms:	RNF78
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317480 representing NM_021026. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAAGGTTGTCACTTGTCACTAACAGGCTTTCACCTCACGGAATTTTCTCCCTGTGCACT
TTTCCCTGGCAGTGGACATGGCTGCACTTCCAAGAAGCAAGCAGCTGTCCGCTGTGCTCAGACTAT
CTAGAGAAACCAATGTCCCTGGAGTGTGGATGCGCTGTCTGCTTCAAGTGCATCAATTCCTGCAGAAG
GAGCCCCATGGGAGGATCTACTTTGCTGTTGCTTCCATGGTCTCTCAGAAGAACAAATCAGGCC
AGTTGGCAGCTAGAGAGGCTGGCTTCCACATCAAGGAAGTGGAGCCCAAGCTGAAGAAGATTCTGCAG
ATGAACCAAGGATGCGGAAGTTCCAAGTGGATATGACCTGGATGCCGACACAGCAACAACTTCCCTC
CTATTTCTGACGACCTCAGGAGCGTCCGAAGTGGGTGCATCACACAGAAATCGGCAAGACCTTGCCGAG
AGATTTGACGTGTCCATTTGCATCCTGGGCTCCCTCGCTTTACCTGTGGCCGCCACTACTGGGAGGTG
GACGTGGGAACAAGCACAGAATGGGACCTGGGAGTCTGCAGAGAATCTGTTACCAGCAAGGGGAGGATC
CATCTGACCACAGAGCGTGGATTCTGGACTGTGAGTTTGGAGGATGGAAGCCGCTCTCTGCCAGCAG
GTGCCGCTGACTTCTCTTTCGTAGACCAGTACAGCGAGTGGGATTTTCTGGATATGGGCATG
CAGAACGTTTCTTTTTGATGCTGAAGGTGGTCCCATGTCTATACATTCAGGAGTGTCTCTGCTGAG
GAGCCACTGCCTTGTCTTCTCCTCAAGTCCACCTAATGGTGATAAGAGTGTCTTGGATATCTGT
CCTGTGATAAACCCGGGCACTACTGATGCTCCAGTCCATCCTGGGAGGCCAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_021026
Insert Size:	954 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_021026.2</u>
RefSeq Size:	1496 bp
RefSeq ORF:	954 bp
Locus ID:	5988
UniProt ID:	<u>O75677</u>
Cytogenetics:	22q12.2
Protein Families:	Druggable Genome
MW:	35.5 kDa
Gene Summary:	Negatively regulates the G2-M phase transition, possibly by promoting cyclin B1/CCNB1 and CDK1 proteasomal degradation and thereby preventing their accumulation during interphase.[UniProtKB/Swiss-Prot Function]