

Product datasheet for SC319920

Cyclin F (CCNF) (NM_001761) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclin F (CCNF) (NM_001761) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cyclin F
Synonyms:	FBX1; FBXO1; FTDALS5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001761.2
GCGAGCGCGGCGATGGGGAGCGGCGTGGTCCACTGTAGTGTGCCAAGTGTCTCTGT
TATCCTACAAAGCGAAGAATAAGGAGGAGGCCCGAAACCTGACCATTGAGTCTCCCC
GAAGATGTGCTCTTTCACATCCTGAAATGGCTTTCTGTAGAGGACATCCTGGCCGTCCGA
GCTGTACTACTCCAGCTGAAGGACCTGGTGGACAACCACGCCAGTGTGTGGGCATGTGCC
AGCTTCCAGGAGCTGTGGCCGTCTCCAGGGAACCTGAAGCTCTTTGAAAGGGCTGCTGAA
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TCTGTGTCTGATGAGGCCCGCGCAGAAGTGAATGGCCTGAAGGCCTCTCGCTTCTCAGT
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TGGTCCGTGAGCGGAAGCTGCTGCAAGGCCGTGGTTCACGAGAGCCTCAGGCAGAGTGC
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CTGCTCCTGGCCAGACTGACGCACGGGCAGACACAGCCCTGGACCACTCAGCTGTGGGAC
CTCACCAGATTCTCCTATGAAGACCTCATTCCCTGCGTCTTGGCCTCCATAAGAAGTGC
TTCATGATGACCCCCAAGGACTACAGGCAAGTCTCTGACCGCCGTGAAGCAGCGG



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TTTGAGGACAAGCGCTATGGAGAAATCAGCCAGGAAGAGGTGCTGAGCTACAGCCAGTTG
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GCGTTCGTATGTACCCACAGATGGCGTCAATGTGAACACCTCTTTTGTGCTGAATTTT
TGGGCCATTCTTTTCTGTCTTATTTCTAAATTTCTTCTTCCAAGATGAAAAACAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_001761
- 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:**
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: [NM_001761.2](#), [NP_001752.2](#)

RefSeq Size: 4287 bp

RefSeq ORF: 2361 bp

Locus ID: 899

UniProt ID: [P41002](#)

Cytogenetics: 16p13.3

Domains: F-box, cyclin_C, CYCLIN, cyclin

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the cyclin family. Cyclins are important regulators of cell cycle transitions through their ability to bind and activate cyclin-dependent protein kinases. This member also belongs to the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class and it was one of the first proteins in which the F-box motif was identified. [provided by RefSeq, Jul 2008]