

Product datasheet for **RC234951**

FCP1 (CTDP1) (NM_001202504) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCP1 (CTDP1) (NM_001202504) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FCP1
Synonyms:	CCFDN; FCP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234951 representing NM_001202504
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGGCCTGTGTGCTGAATGTGGCCAAGACCTCACCCAGTTGCAGAGTAAGAACGGGAAGCAGCAGG
 TGCCGCTGTCCACGGCGACCGTGTCCATGGTGCACAGCGTGCCGGAGTTGATGGTGAAGCTCCGAGCAAGC
 TGAACAGCTGGGAAGAGAAGACCAGCAGCGACTGCACCGAAACCGGAAGCTGGTGTCTATGGTGGACTTG
 GACCAGACGTTGATTCACACAACCGAGCAGCACTGTCCAGCAGATGTCAATAAAGGCATCTTCACTTCC
 AGCTGGGCGGGGTGAGCCCATGCTGCACACGCGCCTGCGTCCACTGCAAGGACTTCTGGAGAAGAT
 CGCCAAGCTGTACGAGCTGCACGTCTTACCTTCGGCAGCCGGCTGTACGCACACACCATCGCAGGCTTT
 TTAGACCCCGAGAAGAAGCTTTTTTCTACCGAATATTATCAAGGGATGAATGTATTGACCCATTTTCTA
 AAACGGGAAACCTTAGAAATCTCTTCTTGTGGAGACTCAATGGTTTGCATTATTGATGATCGAGAAGA
 TGCTCTGGAAGTTGCCCCCAATCTGATAACTGTGAAGAAATATGTATACTCCAGGGCACGGGTGATATG
 AATGCGCCCCCTGGGTCCCGAGAATCTCAGACGAGAAAGAAAGTAAATCATTTCTCGAGGCACTGAGGTCT
 CAGAGCCATCTCCGCCCTGAGAGACCTGAGGGGGTAACGCAGGCCCTGGAGTGGAGCCAGCAATGG
 CCTGGAGAAGCCTGCACGGGAGCTGAACGGCAGCGAGGCCGCCACCCCGGGGACTCACCCGCCCGGG
 AAGCCAGACGAGAGGGACATCTGGCCCCCTGCCAGGCCCCACCAGCAGCAAGAGCTGGCAGGCGCTC
 CTGAGCCCCAGGGATCCTGTGCGCAGGGTGGCCGGGTGGCACCGGGACAGCGGCTGCCAGGGTGCCAC
 GGGCACTGACCTGGACTTTGACTTATCCAGCGACAGCGAGCAGCAGTGAAGTCCGAGGGCACGAAGTCC
 TCCTCTCCGCTCTGATGGCGAAAGCGAGGGGAAAAGAGGCCGGCAGAAGCCGAAGGCTGCCCCAGAGG
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 GGCCGAGCCTGGCGGCATGCCCGGACAAGGAGCCTGAGCTGGGTGGCAGGAGGAGGGCAGCGGGAT
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 CGCTACCTCAACAAGGAGATCGAGGAGGCGCCGGACATCCGAAGATCGTGCCGGAGCTCAAGAGCAAGG
 TGCTGGCAGACGTGGCCATAATTTTCAGTGGGCTACACCCGACAACTTCCCGATAGAGAAGACGCGGGA
 GCATTACCACGCCACGGCGCTGGGAGCGAAGATCCTCACTCGGCTGGTGTGAGCCCGACGCCCTGAC
 AGGGCCACGCACCTGATCGCCGCGGAGCTGGCACAGAGAAGGTGCTGCAGGCACAGGAGTCCGGACACC
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 CCCGCTCAGGGACGATCACCCAAGGCACAGAGGGAGAACAGCCCTGCGGCCTTTCCCGACCGGGAGGGT
 GTGCCCCCACCCTGTTTCCACCCGATGCCGGTTCTTCCCAAGGCCAGCCTGGCCCCAGGTTCCGGA
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 AAGCCAGGGACCCGACGGAGCGGACGCTCGGGGACCTGCGTCCAGCGAGAGGAGCGCGCAGGGGGCC
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 CTCATG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234951 representing NM_001202504
 Red=Cloning site Green=Tags(s)

MKGLCAECGQDLTQLQSKNGKQVPLSTATVSMVHSVPELMSVSEAEQLGREDQQRHLHRNRKLVLMVDL
 DQTLIHTTEQHCQQMSNKGIFHFQLGRGEPMLHTRLRPHCKDFLEKIAKLYELHVFTFGSRLYAHTIAGF
 LDPEKKLFSHRILSRDECIDPFSTGNLRNLFPCGDSMVCIIIDREDVWKFAPNLITVKKYVYFQGTGDM
 NAPPGRESQTRKKVNHSRGTEVSEPPVVRDPEGVTQAPGVPEPSNGLEKPALENGSEAAATPRDSPRPG
 KPDERDIWPPAQAPTSSQELAGAPEPQGSQAQGGRVAPGQRPAAQATGTDLDFDLSSDSESSSESEGTKS
 SSSASDGESEGRGRQPKAAPEGAGALAQSSLEPGRPAAPSLPGEAEPGAHPDKEPELGGQEEGERD
 GLCGLGNGCADRKEAETESQNSELSGVTAGESLDQSMEEEEEDTDEDDHLIYLEEILVRVHTDYAKYD
 RYLNKEIEEAPDIRKIVPELKSIVLADVAIIFSGLHPTNFPIEKTRHYHATALGAKILTRLVLSPDAPD
 RATHLIAARAGTEKVLQAQECGHLHVVPDNLWSCLERWDKVEEQLFPLRDDHTKAQRENSPAAPFDREG
 VPPTALFHPMPVLPKAQPGPEVRIYDSNTGKLI RTGARGPPAPSSSLPIRQEPSSFRVPPPQPMFGEE
 LPDAQDGEQPGSRRKRQPSMSE TMLPYLCKEDLESMDKEVDDILGEGSDDSDSEKRRPEEQEEEPQPR
 KPGTRRRTLAPASSERSAAGGRGPRGHKRKLNEDDAASESSRESSNEDEGSSSEADEMAKALEAELND
 LM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

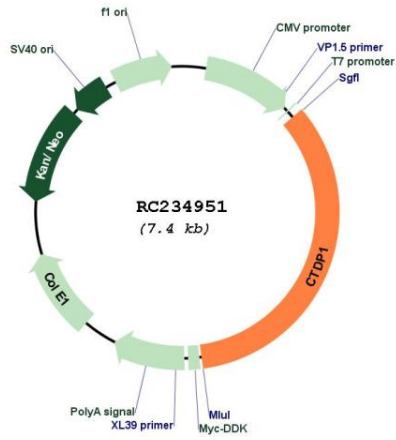
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001202504
ORF Size:	2526 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001202504.1 , NP_001189433.1
RefSeq Size:	3392 bp
RefSeq ORF:	2529 bp
Locus ID:	9150
UniProt ID:	Q9Y5B0
Cytogenetics:	18q23
Protein Families:	Druggable Genome, Phosphatase, Transcription Factors
MW:	92.8 kDa
Gene Summary:	This gene encodes a protein which interacts with the carboxy-terminus of the RAP74 subunit of transcription initiation factor TFIIIF, and functions as a phosphatase that processively dephosphorylates the C-terminus of POLR2A (a subunit of RNA polymerase II), making it available for initiation of gene expression. Mutations in this gene are associated with congenital cataracts, facial dysmorphism and neuropathy syndrome (CCFDN). Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011]

Product images:



Circular map for RC234951