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Product datasheet for SC331462

FCP1 (CTDP1) (NM_001202504) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCP1 (CTDP1) (NM_001202504) Human Untagged Clone
Tag:	Tag Free
Symbol:	FCP1
Synonyms:	CCFDN; FCP1
Vector:	pCMV6-Entry (PS100001)

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Fully Sequenced ORF:

>SC331462 representing NM_001202504.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAAAGGCCTGTGTGCTGAATGTGGCCAAGACCTCACCCAGTTGCAGAGTAAGAACGGGAAGCAGCAG
GTGCCGCTGTCCACGGCGACCGTGTCCATGGTGCACAGCGTGCCGGAGTTGATGGTGAGCTCCGAGCAA
GCTGAACAGCTGGGAAGAGAAGACCAGCAGCGACTGCACCGAAACCGGAAGCTGGTGCTCATGGTGGAC
TTGGACCAGACGTTGATTCACACAACCGAGCAGCACTGTCAGCAGATGTCGAATAAAGGCATCTTTCAC
TTCCAGCTGGGCCGGGGTGAGCCCATGCTGCACACGCGCCTGCGTCCACACTGCAAGGACTTCCTGGAG
AAGATCGCCAAGCTGTACGAGCTGCACGTCTTCACCTTCGGCAGCCGGCTGTACGCACACACCATCGCA
GGCTTTTTAGACCCCGAGAAGAAGCTTTTTTCTCACCGAATATTATCAAGGGATGAATGTATTGACCCA
TTTTCTAAAACGGGAAACCTTAGAAATCTCTTTCCTTGTGGAGACTCAATGGTTTGCATTATTGATGAT
CGAGAAGATGTCTGGAAGTTTGCCCCCAATCTGATAACTGTGAAGAAATATGTATACTTCCAGGGCACG
GGTGATATGAATGCGCCCCCTGGGTCCCGAGAATCTCAGACGAGAAAGAAAGTAAATCATTCTCGAGGC
ACTGAGGTCTCAGAGCCATCTCCGCCCGTGAGAGACCCTGAGGGGGTAACGCAGGCCCCTGGAGTGGAG
CCCAGCAATGGCCTGGAGAAGCCTGCACGGGAGCTGAACGGCAGCGAGGCCGCCACCCCGCGGGACTCA
CCCCGCCCCGGGAAGCCAGACGAGAGGGACATCTGGCCCCCTGCCCAGGCCCCCACCAGCAGCCAAGAG
CTGGCAGGCGCTCCTGAGCCCCAGGGATCCTGTGCGCAGGGTGGCCGGGTGGCACCGGGACAGCGGCCT
GCCCAGGGTGCCACGGGCACTGACCTGGACTTTGACTTATCCAGCGACAGCGAGAGCAGCAGTGAGTCC
GAGGGCACGAAGTCCTCCTCCTCCGCCTCTGATGGCGAAAGCGAGGGGAAAAGAGGCCGGCAGAAGCCG
AAGGCTGCCCCAGAGGGAGCCGGGGCGCTGGCACAGGGCAGTTCCCTGGAGCCGGGGCGGCCTGCAGCA
CCGAGTCTCCCCGGAGAGGCCGAGCCTGGCGCGCATGCCCCGGACAAGGAGCCTGAGCTGGGTGGGCAG
GAGGAGGGCGAGCGGGATGGCCTCTGCGGCCTGGGCAACGGCTGTGCCGACAGGAAGGAGGCGGAGACC
GAGTCACAGAACAGCGAGCTGTCGGGGGTCACTGCGGGTGAGTCCCTGGACCAGAGCATGGAGGAGGAG
GAGGAGGAGGACACGGATGAGGATGACCACCTCATCTACCTGGAGGAGATCCTGGTCCGTGTACACACT
GACTACTATGCCAAGTATGACCGCTACCTCAACAAGGAGATCGAGGAGGCGCCGGACATCCGCAAGATC
GTGCCGGAGCTCAAGAGCAAGGTGCTGGCAGACGTGGCCATAATTTTCAGTGGGCTACACCCGACAAAC
TTCCCGATAGAGAAGACGCGGGAGCATTACCACGCCACGGCGCTGGGAGCGAAGATCCTCACTCGGCTG
GTGCTGAGCCCCGACGCCCCTGACAGGGCCACGCACCTGATCGCCGCGCGAGCTGGCACAGAGAAGGTG
CTGCAGGCACAGGAGTGCGGACACCTGCACGTGGTCAACCCTGACTGGCTGTGGAGCTGCCTGGAGCGC
TGGGACAAGGTGGAGGAGCAGCTCTTCCCGCTCAGGGACGATCACACCAAGGCACAGAGGGAGAACAGC
CCTGCGGCCTTTCCCGACCGGGAGGGTGTGCCCCCCACCGCCTTGTTCCACCCGATGCCGGTTCTTCCC
AAGGCCCAGCCTGGCCCCGAGGTTCGGATCTACGACTCCAACACGGGGAAGCTCATCAGGACGGGCGCC
CGGGGGCCCCCAGCACCCTCCAGCTCCCTACCCATCCGCCAGGAGCCCTCTTCCTTCAGAGCGGTTCCG
CCACCCCAGCCGCAGATGTTTGGTGAAGAGCTGCCTGACGCTCAGGACGGAGAGCAGCCTGGCCCTTCT
AGAAGAAAGCGACAGCCCAGTATGTCTGAGACAATGCCGCTGTACACTCTTTGTAAGGAGGATTTAGAG
AGTATGGACAAAGAGGTGGACGACATCCTTGGAGAAGGCAGCGACGACAGCGACAGCGAGAAGAGGAGG
CCTGAGGAGCAGGAGGAGGAGCCCCAGCCCCGGAAGCCAGGGACCCGCAGGGAGCGGACGCTCGGGGCA
CCTGCGTCCAGCGAGAGGAGCGCGGCAGGGGGCCGGGGGCCCAGAGGCCACAAGAGGAAGCTGAATGAA
GAGGACGCCGCCAGCGAGTCCAGCAGGGAGTCCAGCAACGAGGATGAGGGCAGCAGCTCCGAGGCCGAC
GAGATGGCCAAGGCGCTGGAGGCGGAGCTCAACGACCTCATGTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001202504

Insert Size: 2529 bp

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).

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_001202504.1
RefSeq Size:	3392 bp
RefSeq ORF:	2529 bp
Locus ID:	9150
UniProt ID:	Q9Y5B0
Cytogenetics:	18q23
Protein Families:	Druggable Genome, Phosphatase, Transcription Factors
MW:	92.4 kDa
Gene Summary:	This gene encodes a protein which interacts with the carboxy-terminus of the RAP74 subunit of transcription initiation factor TFIIF, 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] Transcript Variant: This variant (3) contains an alternate 5' terminal exon compared to variant 1, resulting in translation initiation from an in-frame downstream AUG, and a shorter isoform (3, also known as FCP1a) compared to isoform 1.