

Product datasheet for SC112934

C20orf77 (RPRD1B) (NM_021215) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf77 (RPRD1B) (NM_021215) Human Untagged Clone
Tag:	Tag Free
Symbol:	C20orf77
Synonyms:	C20orf77; CREPT; dj1057B20.2; K-H; Kub5-Hera; NET60
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112934 sequence for NM_021215 edited (data generated by NextGen Sequencing)

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ATGTCCTCCTTCTGAGTCGGCGCTGGAGAAGAAGCTCTCGGAGCTGAGCAACTCTCAG
CAGAGCGTGCAGACCCTGTCCCTTTGGCTCATCCACCACCGCAAGCACGGGGACCCATC
GTCTCCGTGTGGCACCGGAGCTCCGCAAAGCCAAATCAAATAGAAAGCTTACTTTTCTG
TATTTAGCGAATGATGTCATCCAAAACAGTAAAAGGAAAGGACCTGAATCACTAGAGAA
TTTGAATCTGTCCTTGTGGATGCTTTTTCTCATGTTGCCAGAGAGGCAGATGAAGGCTGT
AAAAAACCTTTAGAAAGATTGCTGAACATCTGGCAAGAACGAAGTGTGTATGGCGGCGAG
TTCATACAGCAGCTGAAGCTGTCTATGGAGGACTCCAAGAGCCCTCCCCCAAAGCAACA
GAAGAGAAGAAATCTCTGAAACGAACCTTTTCAGCAAATTCAGGAGGAGGAGGATGACGAC
TACCCTGGCAGCTACTCTCCTCAGGATCCTTCTGCAGGACCCCTTGTACTGAGGAACTA
ATCAAAGCTTTGCAGGATCTGGAATAATGCCGCATCAGGGGATGCTACTGTCCGACAGAAA
ATTGCTTCTCTGCCCCAGGAAGTCAAGATGTTTCTCTATTGGAAAAATAACAGACAAA
GAGGCAGCTGAACGCTTTCAAAAACAGTAGATGAAGCATGTCTGTTACTAGCAGAATAT
AACGGGCGCCTGGCAGCAGAAGTGGAGGACCGTCGCCAGCTGGCTCGGATGTTGGTGGAG
TATACCCAGAATCAGAAAGATGTTTTGTCGGAGAAGGAGAAAAAACTAGAGGAATACAAA
CAGAAGCTTGACAGTAACCCAGGTCCGCAAGGAAGTAAATCCCATATTCAGAGCTTG
CCAGACCTCTCACTGCTGCCAACGTCACAGGGGGCTTAGCCCCCTGCCCTCTGCTGGG
GACCTGTTTTCACTGACTAG

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Clone variation with respect to NM_021215.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021215 unedited
 GGGTGTCAAATATTTGTATACGACTTCACTATAGGGCGGCCGGAATCGGCACGAGGGC
 GGGAACTACTCTCCTTGCCCTCGCTCTGTCTCCTTCGAAGTGCTCTGCGCGAGGTTTCAGAG
 CGGCCCGCCCTCAAAGGGACGGTTTTCTAGAGCTCCGACGCCCTCTCGGTGCCCTCTG
 CTCCGGCCTTGCCTTTGACCTCGCTCTCGCGCAGGGTGAGAGGTGGGTGGCCATCT
 TGTGGCGGCGCGGGCGGCTGTTACTGCGGAGACCCATCCCCCTCCCCCTTCTCGCACC
 CCTGGCAGTCTGCAGTCGGTAAAAAGTCCCGCAGCCTGTCAGGTGAGGCCCGGCCCTCG
 TGCCGTGCTCTTCCCGCCGACTGGGCGGCCAGGCCGCTCCCTGCCGGCCTCACTGC
 CGCCACCATGTCCTCTCTCTGAGTCGCGCTGGAGAAGAAGCTCTCGGAGCTGAGCAA
 CTCTCAGCAGAGCGTGCAGACCTGTCCCTTTGGCTCATCCACCACCGCAAGCACGCGGG
 ACCCATCGTCTCCGTGTGGCACC CGGAGCTCCGCAAAGCCAAATCAAATAGAAAGCTTAC
 TTTTCTGTATTTAGCGAATGATGTCATCCAAAACAGTAAAAGGAAAGGACCTGAATTCAC
 TAGAGAATTTGAATCTGCTTGTGGATGCTTTTTCTCATGTTGCCAGAGAGGCAGATGA
 AAGCTGTAAAAAACCTTTAGAAAGATTGCTGAACATCTGGCAAGAACGAAGTGTGTATGG
 CCGGCGAGTTCATACAGCAGCTGAAGCTGTCTATTGCAGGACTCCAAGAGCCCTCCCCC
 ANAGCACCAGAAAGAGAAGAAATCTCTGAAACGAACTTTTAGCCAATCAGGAGGGAGGAG
 GATGACGACTACCTGCCAGCTACTCTCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021215 unedited
 CGCGGCACGCTATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTAAACAACACCAT
 CTTTATTCAAAAATATATCTATGAAACATTTCAAATATACTGCTGCCGCAACGACA
 GCCTATACTTCTAAATAGTCCTAAATTAATATACAAATTTAAGCTTTGAAAATATCTTT
 AAGAAAAACAAACAAACAAAAACAAGGGAAAGATTGAAGACTTTCTGAGGAATATGACCTA
 AAGGAAAGGTCTTTGAGCCTACAGATGCCCTAAGAAAGAAAAACACAAAACAAAAA
 CCACCCACCCACCCACCAAGTCACCTCATACATAACAAGGAGGAAAGTTCATTTAAATTA
 AACAAATGAAGTAAGCACACTTTGGGAGGATGTGGACAGCAGATTTAAGATTTAAAAAAC
 GAAAGCATTTTCATCAAAACAAAAAACTAACTTCCTCACAGGAAGTCCACTATTAACAGGT
 ATTAAGAGGCCAACACATTCATTTACATAATTGCTACAGTTTCATTTCTAACTTTTGCT
 GAATAATTATGCACCATTTGCTGGCAAAAACTCAGTGGGATAAAACAGAGCAGTGGGCT
 AAATCCATCCGGCTTTATTTTCATCTAATTGATCAGAGCAAATATCTACAATCCTTTTTT
 GGCTGGATTGGGCGGCTAATTCGCACTTCCTTGGAGAAGCCTTAAAGGTCCAAAAGGGC
 CTGCTCCAAACACCCCTCCTAAAAGCCCAACCCCGGCGGGCGGGGATAGGTGCCGCC
 TACCCCTCCATTTCAATCAACACCTCCTCGCCTTTTTAAGTATCCACAGTACCAGAGACG
 TACACCTCTGCCCAATCTACCCGATGGCGACATACATCGTACTTCACTATCCACCAC
 GAGCACTNACTTCCATCCATATCTTTAAACACTTATTCTGATCTTTC

Restriction Sites:

NotI-NotI

ACCN:

NM_021215

Insert Size:

3800 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:	<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_021215.2 , NP_067038.1
RefSeq Size:	4219 bp
RefSeq ORF:	981 bp
Locus ID:	58490
UniProt ID:	Q9NQG5
Cytogenetics:	20q11.23
Domains:	RPR, DUF618
Gene Summary:	Interacts with phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and participates in dephosphorylation of the CTD by RPAP2. Transcriptional regulator which enhances expression of CCND1. Promotes binding of RNA polymerase II to the CCDN1 promoter and to the termination region before the poly-A site but decreases its binding after the poly-A site. Prevents RNA polymerase II from reading through the 3' end termination site and may allow it to be recruited back to the promoter through promotion of the formation of a chromatin loop. Also enhances the transcription of a number of other cell cycle-related genes including CDK2, CDK4, CDK6 and cyclin-E but not CDKN1A, CDKN1B or cyclin-A. Promotes cell proliferation.[UniProtKB/Swiss-Prot Function]