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Product datasheet for SC111343

RC74 (INTS9) (NM_018250) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RC74 (INTS9) (NM_018250) Human Untagged Clone
Tag:	Tag Free
Symbol:	RC74
Synonyms:	CPSF2L; INT9; RC74
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF within SC111343 sequence for NM_018250 edited (data generated by NextGen Sequencing)

ATGAAACTGTATTGCCTGTCAGGGCACCCAACCTTACCATGCAATGTGCTCAAATTCAAA
TCAACCACCATTATGTTGGACTGCGGACTGGACATGACTTCTACCCTCAATTTCCTTCCT
TTGCCACTTGTTCAAAGTCCCAGGCTGTCCAATCTTCCTGGCTGGTCCCTGAAGGATGGA
AATGCTTTCTTGGACAAGGAGCTAAAGGAGTGCTCGGGTCATGTATTTGTGGATTCTGTG
CCGGAATTCTGTTTACCAGAGACGGAGCTAATAGATCTGTCTACAGTAGATGTGATTCTC
ATCTCTAACTATCACTGTATGATGGCGCTGCCATACATCACCGAGCACACCGGCTTCACA
GGCACAGTGTATGCCACGGAACCCACCGTCCAGATCGGCAGGCTTCTCATGGAAGAGCTG
GTGAATTTCATTGAAAGAGTGCCAAAGGCTCAGTCTGCCTCCTTGTGGAAGAATAAGGAC
ATTCAGAGGCTGTTACCTTCTCCTCTCAAGGATGCAGTGGAAGTCTCAACCTGGAGAAGA
TGCTATACAATGCAAGAGGTGAACTCTGCCCTTAGTAAAATCCAGCTGGTGGGATATTCT
CAGAAAATTGAGCTTTTTGGTGCGGTCCAGGTGACTCCTCTGAGCTCTGGCTATGCCCTT
GGGAGCTCCAACTGGATCATCCAGTCTCATTACGAGAAAGTGTCTTATGTCTCTGGATCC
TCCTTGCTTACCACACACCCCCAGCCCATGGACCAAGCTTCTCTCAAAAACAGCGATGTT
CTTGTTCTGACAGGGCTTACCCAGATCCCCACTGCAAACCCAGATGGAATGGTGGGAGAG
TTCTGCAGCAACCTAGCTCTGACAGTCCGGAATGGAGGAAACGTGTTGGTTCCCTGCTAC
CCTTCTGGAGTGATCTATGACCTCCTGGAGTGCCTATATCAGTACATCGACTCAGCCGGG
CTTTCCAGCGTCCCCCTCTACTTCATCTCCCCTGTGGCCAACAGTTCACTGGAGTTTTCC
CAGATCTTTGCTGAGTGGCTTTGTCACAACAAACAGAGTAAGGTGTATCTTCCAGAACCA
CCTTTTCCTCATGCAGAGCTCATTCAGACCAATAAGCTGAAGCACTACCCCAGCATCCAC
GGAGACTTCAGCAACGACTTTAGACAGCCCTGTGTGGTGTTCACCGGGCACCCTTCCCTC
CGCTTCGGGGACGTGGTCCACTTCATGGAGCTCTGGGGAAAATCTAGTCTCAATACCGTC
ATATTCACGGAACCAGACTTCTCCTACCTGGAAGCCCTGGCTCCTTACCAGCCGCTGGCC
ATGAAATGCATCTACTGCCCCATCGACACCCGGCTGAACTTCATCCAGGTGTCAAAGCTG
CTTAAAGAAGTGCAGCCCCTGCACGTGGTGTGTCCTGAGCAGTACACTCAGCCGCCCCCA
GCCCAGTCCCACAGGATGGACCTCATGATCGACTGCCAGCCCCCCGCCATGTCCTATCGG
CGGGCTGAGGTTCTCGCCCTGCCCTTCAAACGTCGGTACGAGAAGATCGAGATCATGCCA
GAGCTCGCAGATTCACTGGTGCCCATGGAGATCAAGCCTGGCATCTCCTTGGCAACTGTC
TCGGCCGTGCTGCACACCAAAGATAACAAGCACTTGCTTCAGCCCCCTCCTCGGCCCGCC
CAGCCCACGAGCGGGAAGAAGAGAAAGCGGGTGAGCGATGACGTACCAGACTGCAAAGTC
CTGAAGCCTTTGTTGAGCGGTTCCATCCCTGTGGAGCAGTTCGTGCAGACCCTGGAGAAG
CATGGCTTCAGTGATATTAAGGTGGAGGACACAGCCAAGGGCCATATCGTCCTGCTCCAG
GAGGCTGAGACGCTCATCCAGATTGAAGAAGACTCGACCCATATCATCTGCGACAATGAC
GAGATGCTCAGAGTGCGACTGCGGGACCTTGTCCTCAAATTCTTACAGAAGTTCTGA

Clone variation with respect to NM_018250.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018250 unedited
GTCGAATTTGTATACGACTCATATAGGCGGCCCGCGAATCGGCACGAGGCTGGGTTTGAG
GAGTTCAGTGACTGCTATTGAACCACCAAAAGTCCATTATGAAACTGTATTGCCTGTCAG
GGCACCCAACCTTACCATGCAATGTGCTCAAATTCAAATCAACCACCATTATGTTGGACT
GCGGACTGGACATGACTTCTACCCTCAATTTCCTTCCTTTGCCACTTGTTCAAAGTCCCA
GGCTGTCCAATCTTCCTGGCTGGTCCCTGAAGGATGGAAATGCTTTCTTGGACAAGGAGC
TAAAGGAGTGCTCGGGTCATGTATTTGTGGATTCTGTGCCGGAATTCTGTTTACCAGAGA
CGGAGCTAATAGATCTGTCTACAGTAGATGTGATTCTCATCTCTAACTATCACTGTATGA
TGGCGCTGCCATACATCACCGAGCACACCGGCTTCACAGGCACAGTGTATGCCACGGAAC
CCACCGTCCAGATCGGCAGGCTTCTCATGGAAGAGCTGGTGAATTTCATTGAAAGAGTGC
CAAAGGCTCAGTCTGCCTCCTTGTGGAAGAATAAGGACATTCAGAGGCTGTTACCTTCTC
CTCTCAAGGATGCAGTGGAAGTCTCAACCTGGAGAAGATGCTATACAATGCAAGAGGTGA
ACTCTGCCCTTAGTAAAATCCAGCTGGTGGGATATTCTCAGAAATTGAGCTTTTTGGTGC
GGGTCCAGTGACTCCTCTGAGCTCTGGCTATGCCCTTNGGAGCTNCAACTGGATCATCCA
GTCTCATTACGAGAAAAGTGTCTATGTCTCCTGGATCCTNCTTGCTTACCACACACCCCC
AGCCCATGGACCAAGCTTCTCTCAAAAAAGCGAAGTTTCTTTGTTCTGACAGGGCTTACC
CAGATCCCACTGCAACAAATGNATGGGGGGGGGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018250 unedited
GTACCGCGGCCGCTTTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTATATAAAAATAAGTG
TTTATTAACAAATGGGCTCAGAGTAGAAAATGCAGACAGATGGGTTCACTTTACCATATT
TTGGGATCATCATCTTATTGCGTACAGCACTGTAGGCAAGTAAACGAAACCAAAGGCTGG
CTCCCCTGGCCGAGGCCTGGGACTGATGCAAGACAGCCAGCCAGTCACCTCCGCCTCCCA
TGAACCTCTTGGAAAACTTCTCCTGTCCCACTTCTGCCACCCTCCAGCTCCTTGAGAGAG
CCAGAGTTGAGAAGAAAATGAGCCTGAAGTTGAAAGGGAAAGTTCTTGCCTGAAACAGTG
CTGGGAATAAGTCCAGACCATTTCCCTCAAGAGCCACCTCTTCACTCCTTAAGCCAGAGG
ACACCACAAAGACACAGTTAATGGCCTCTCATGCCACTCCTCAGGTGGCTTGTGAGGGCA
GCCACTGAGGGACTGCAGGATTTCAGGGAAGTATCTCAAATGGCCCACTCAGAACTTGTG
TAAGAATTTGAGGACCAGGTCCCGCAATCGCACTCTGAGCATCTCGTCATTGTCGCAGAT
GATATGGGAACGAGTCTTCTTTAAATCTGGATGAGCCGTCTTAACCTTCTGGAACCAGAC
CATATGGGCCTTGGCTGTGCCCCCCACCTTAATATCACTGAAACCATGCTTTTCCAGGGT
CTTGACAAACTGCTCCACACGGATCGAACCCCTCACCAAAGGTTTATGACTCTTCCGCCC
CGGTCTCTACCTCGTTCCCCCCTTTTTTTTCTTCCCCCTCCGGGGCTTGGCCGCGCCCAA
CGAGGGGCCCCAACCAGCGTTTTCATTTCTCGTGTGCACACCGCCACAACGCTTCCCTCG
ACT

Restriction Sites: NotI-NotI

ACCN: NM_018250

Insert Size: 2850 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_018250.1, NP_060720.1
RefSeq Size:	2540 bp
RefSeq ORF:	1977 bp
Locus ID:	55756
UniProt ID:	Q9NV88
Cytogenetics:	8p21.1
Gene Summary:	This gene encodes a subunit of the Integrator complex. This protein complex binds the C-terminal domain of RNA polymerase II and likely plays a role in small nuclear RNA processing. The encoded protein has similarities to the subunits of the cleavage and polyadenylation specificity factor complex. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2010] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).