

Product datasheet for **RG206837**

RC74 (INTS9) (NM_018250) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RC74 (INTS9) (NM_018250) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RC74
Synonyms:	CPSF2L; INT9; RC74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG206837 representing NM_018250
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAACTGTATTGCCTGTCAGGGCACCCAACCTTACCATGCAATGTGCTCAAATTCAAATCAACCACCA
 TTATGTTGGACTGCGGACTGGACATGACTTCTACCCTCAATTTCTTCTTTGCCACTTGTTCAAAGTCC
 CAGGCTGTCCAATCTTCTGGCTGGTCCCTGAAGGATGGAATGCTTTCTTGACAAGGAGCTAAAGGAG
 TGCTCGGGTCATGATTTGTGGATTCTGTGCCGAATTCTGTTTACCAGAGACGGAGCTAATAGATCTGT
 CTACAGTAGATGTGATTCTCATCTCTAACTATCACTGTATGATGGCGCTGCCATACATACCGAGCACAC
 CGGCTTCACAGGCACAGTGTATGCCACGGAACCCACGTCAGATCGGCAGGCTTCTCATGGAAGAGCTG
 GTGAATTTCAATTGAAAGAGTGCCAAAGGCTCAGTCTGCCTCCTTGTGGAAGAATAAGGACATTCAAGGC
 GTTACCTTCTCCTCTCAAGGATGCAGTGGAAGTCTCAACCTGGAGAAGATGCTATACAATGCAAGAGGT
 GAACTCTGCCCTTAGTAAATCCAGCTGGTGGGATATTCTCAGAAAATTGAGCTTTTTGGTGGGTCGAG
 GTGACTCCTCTGAGCTCTGGCTATGCCCTTGGGAGCTCCAACCTGGATCATCCAGTCTCATTACGAGAAAG
 TGTCTTATGTCTCTGGATCCTCCTTGCTTACCACACACCCCAAGCCATGGACCAAGCTTCTCTCAAAA
 CAGCGATGTTCTTGTCTGACAGGGCTTACCCAGATCCCACTGCAAACCCAGATGGAATGGTGGGAGAG
 TTCTGCAGCAACCTAGCTCTGACAGTCCGGAATGGAGGAAACGTGTTGGTTCCCTGCTACCTTCTGGAG
 TGATCTATGACCTCCTGGAGTGCCTATATCAGTACATCGACTCAGCCGGGCTTTCCAGCGTCCCCCTCTA
 CTTTCATCTCCCCTGTGGCCAACAGTTCACTGGAGTTTTCCAGATCTTTGCTGAGTGGCTTTGTCAAC
 AAACAGAGTAAGGTGTATCTTCCAGAACCACCTTTCTCATGCAGAGCTCATTACAGCCAATAAGCTGA
 AGCACTACCCAGCATCCACGGAGACTTCAGCAACGACTTAGACAGCCCTGTGTGGTGTTCACCGGGCA
 CCCTTCCCTCCGCTTCGGGGACGTGGTCCACTTCATGGAGCTCTGGGGAATCTAGTCTCAATACCGTC
 ATATTCACGGAACCAGACTTCTCCTACCTGGAAGCCCTGGCTCCTTACCAGCCGCTGGCCATGAAATGCA
 TCTACTGCCCCATCGACACCCGGCTGAACCTTCATCCAGGTGTCAAAGCTGCTTAAAGAAGTGCAGCCCT
 GCACGTGGTGTCTCTGAGCAGTACACTCAGCCGCCCCAGCCAGTCCCACAGGATGGACCTCATGATC
 GACTGCCAGCCCCCGCATGTCCTATCGGCGGGCTGAGGTTCTCGCCCTGCCCTTCAAACGTGGTACG
 AGAAGATCGAGATCATGCCAGAGCTCGCAGATTCACTGGTGGCCATGGAGATCAAGCCTGGCATCTCCTT
 GGCAACTGTCTCGGCCGTGCTGCACACCAAGATAACAAGCACTTGCTTCAGCCCCCTCCTCGGCCCGCC
 CAGCCCACGAGCGGAAGAAGAGAAAGCGGGTGAGCGATGACGTACCAGACTGCAAAGTCTGAAGCCTT
 TGTGAGCGGTTCCATCCCTGTGGAGCAGTTCGTGCAGACCCTGGAGAAGCATGGCTTCAGTGATATTAA
 GGTGGAGGACACAGCCAAGGGCCATATCGTCCTGCTCCAGGAGGCTGAGACGCTCATCCAGATTGAAGAA
 GACTCGACCCATATCATCTGCGACAATGACGAGATGCTCAGAGTGCGACTGCGGGACCTTGCTCTCAAAAT
 TCTTACAGAAGTTC

ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG206837 representing NM_018250
 Red=Cloning site Green=Tags(s)

MKLYCLSGHPTLPCNVLFKFKSTTIMLDCGLDMTSTLNFLPLPLVQSPRLSNLPGWSLKDGNFLDKELKE
 CSGHVFVDSVPEFCLPETELIDLSTVDVILISNYHCMALPYITEHTGFTGTVYATEPTVQIGRLLMEEL
 VNFIERVPAQASASLWKNKDIQRLPLSPKDAVEVSTWRRCYTMQEVNSALSKIQLVGYSQKIELFGAVQ
 VTPLSSGYALGSSNWIIQSHYEKVSYSVSGSSLLTTHPQPMDAQSLKNSDVLVLTGLTQIPTANPDGMVGE
 FCSNLALTVRNGGNVLVPCYPSGVIYDLLECLYQYIDSAGLSSVPLYFISPVANSSLEFSQIFAEWLCHN
 KQSKVYLPEPPFPHAELIQTNKLKHYPSTHGDVSNDFRQPCVVFTGHPSLRFGDVVHFMELWGKSSLNTV
 IFTEPDFSYLEALAPYQPLAMKCIYCPIDTRLNFIQVSKLLKEVQPLHVVCPEQYQPPPAQSHRDLMI
 DCQPPAMSYRAEVLALPFKRRYEKIEIMPELADSLVPMEIKPGISLATVSAVLHTKDNKHLQPPRPA
 QPTSGKKRKRVSDDVPDCKVLKPLLSGSIPVEQFVQTELEKHGFSIDKVEDTAKGHIVLLQEATLIQIEE
 DSTHIICDNDEMLRVRLRDLVLKFLQKF

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_018250

ORF Size: 1974 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018250.4](#)

RefSeq Size: 2540 bp

RefSeq ORF: 1977 bp

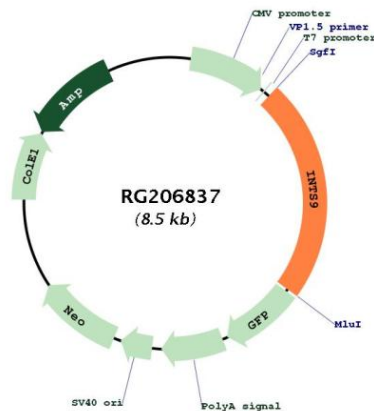
Locus ID: 55756

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]

Product images:



Circular map for RG206837