

## Product datasheet for **MG209848**

### **Rpap3 (NM\_028003) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rpap3 (NM_028003) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rpap3
Synonyms:	2310042P20Rik; D15Ert682e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>MG209848 representing NM\_028003  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTTCGGCGAGTAAGGCAGTTGAGTTGCAGCTCCAGGTGAAACACAACGCAGAGGAGCTGCAGGACT  
 TCATGAGGGACTTGGAGCACTGGGAGAAGGACATGAAGGAGAAGGACCTGGAGCTGAGAAGACAGGGTGG  
 CGTTGCCGAGGAGAATTTACCTCTATTTCGAAATGGGAATTTTAGAAAAGAAGAAGAAAGGCAAAGCT  
 AAAGAGTCTTCCAGAAAAACAAAGAAGAAAACACGAAAAACAGAATAAAATCTTACGACTATGATGCCT  
 GGGCAAACTTGATGTGGACAGGATTCTCGACGAGCTTGACAAAGAAGACAGCACCACGATTCTCTGTC  
 CCAGGAGTCAGAGTCGGATGAAGATGGCATTCTGTGGATTCCCAGAAAGCTCTTGTCTAAAAGAAAAG  
 GGCAATAAGTACTTCAAGCAAGGAAAGTACGATGAAGCCATTGAATGCTACACGAAAGGCATGGATGCTG  
 ACCCTACAATCCCGTGTGCCAACAAACAGAGCGTCGGCTTACTTCAGACTGAAAAAGTTTGTCTTGC  
 TGAGTCTGACTGTAACCTGGCCATCGCCTTGAGCAGGACTTACACCAAGGCGTACGCCAGGCGAGGTGCA  
 GCTCGGTTTGTCTGCAGAAAGTTAGAGGACGCCAGAAAAGATTATGAGAAAGTGTAGAAGTGGAGCCAG  
 ATAACCTTTGAAGCAACAATGAACCTCAGGAAAATTAATCAGGCTTTGACGTCCAAGGAAAACCTCGGGTCC  
 TGGAGCAGCTGCTGCTGCGGAGAGTAAGCCAGCTGCAGGGGAGAGCAAACCAACCGGTGGTCCAGCAGGGC  
 AGGCAGAAAGCCATAGCGGAGAAAGACCTGGGCAACGGATTTTTCAAAGAGGGGAAATACGAGCAAGCAA  
 TTGAGTGTACACCCGCGGGATAGCAGCGGACCGCACCAACGCCCTGCTGCCAGCTAACAGAGCGGATGGC  
 CTATCTCAAGATTCAGAGATATGAAGAAGCTGAAAGAGACTGCACACAAGCTATCGTACTAGATGGTCA  
 TACTCAAAGCGTTTCCAGAAGAGGAACAGCAAGGACATTTTGGGAAAGATCAATGAGGCCAAGCAAG  
 ACTTTGAGACTGTTTTACTTCTGGAACCTGAAAATAAGCAAGCGGCGACCGAGCTTCCAGAAATCAAAA  
 GGAACATAAGAGAAAGGCCACTGGGATGATGTCTTCTTACTCCACACAGAGACACCATGTGGTGAAA  
 GCTGTGGATAATCCTCCTCGGGCTCCCTTAAAGCACTCAAGAAGTTTTTATTGAAGAACTGGCAATT  
 TGATAGAGACTGTTGATGCACCAGATAGTTCTGCCACTGTCCCTGAGAGTGATCGAGCAACGGCAGCTGT  
 GGGCACTGGAACCAAGAAGAATCCAAGCGAGGGCGTCTCTGCTGCAGGGGATAGGCCAAGAGCTAAA  
 GTGTTGAAAATAGAAGCAGTCAGTGACACTTCAGCCCCACAAGCACAGGTGGGGTGAAGCAGGATGCGC  
 GTCAGCCTGGGAGTGAGAAGGCCTCCGTGAGGGCAGAGCAGATGCCGGTTCAGCTGGCCGCTGCTGGTCT  
 GCCTCCAGTTCCTGCCAACTCCTCCAGCTCGAGTCTGATTTTCAGACAGTTGAGAAGTCCCCAGAGATG  
 CTGTATCAGTATGTAAGAATATCGAACCATCTTTGTATCCGAAGTTGTTTCAGAAAAACCTAGATCCAG  
 ATGTATTCAATCAATCATTAAAGATTCTACACGACTTTTACATTGAGAGGGAAAAGCCAGCTCTCATCTT  
 TGAAGTCTTAGAACGACTTTCTCAGCTGAGAAGTTTTGACATGGCGGTGATGTTTATGTCAGGACCTGAG  
 AGAAAGCTTACAAATGATTATTCAATCACTTAGAAAAATCAGACCTGAAGGAAGATTCTGTTGAAGAAC  
 TCAAGAAAAGATACGGCGGC

**ACGCGT**ACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG209848 representing NM\_028003  
 Red=Cloning site Green=Tags(s)

MTSASKAVELQLQVKNHAEELQDFMRDLEHWEKDMKEKDLELRRQGGVAEENLPPIRNGNFRKKKKKGGKA  
 KESSRKTKEENTKNRIKSYDYDAWAKLDVDRILDELDKEDSTHDSL SQESEDEDGIRVDSQKAL VLKEK  
 GNKYFKQKGYDEAIECYTKGMDADPYNPVLPTNRASAYFRLKKFAVAESDCNLAIALSRTYTKAYARRGA  
 ARFALQKLEDARKDYEVLELEPDNFEATNELRKINQALTSKENS GPGAAAAAESKPAAGESKPTGGQQG  
 RQKAI AEKDLGNFFKEGKYEQAIECYTRGIAADR TNALLPANRAMAYLKIQR YE EAERDCTQAI VLDGS  
 YSKAFARRGTARTFLGKINEAKQDFETVLLLEPGNKQAATEL SRIKKELIEKGHWDDVFLDSTQRHHVVK  
 AVDNPPRGSPKALKKVFIEETGNLIETVDAPDSSATVPESDRATAAVGTGTTKNPSEGVSLPAGDRPRAK  
 VLKIEAVSDTSAPQAQVGVKQDARQPGSEKASVRAEQMPGQLAAAGLPPVPANSFQLESDFRQLRSSPEM  
 LYQYVKNIEPSLYPKLFQKNLDPVFNQIIKILHDFYIEREKPALIFEVLERLSQLRRFDMAVMFMMSGPE  
 RKL TNVLFNHLEKSDLKEDSVEELKKRYGG

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_028003

**ORF Size:** 1980 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.

**RefSeq:** [NM\\_028003.2](#), [NP\\_082279.1](#)

**RefSeq Size:** 2260 bp

**RefSeq ORF:** 1983 bp

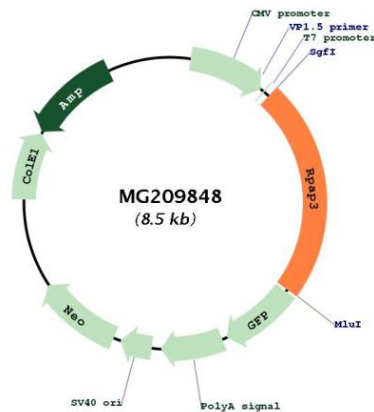
**Locus ID:** 71919

**UniProt ID:** [Q9D706](#)

**Cytogenetics:** 15 53.54 cM

**Gene Summary:** Forms an interface between the RNA polymerase II enzyme and chaperone/scaffolding protein, suggesting that it is required to connect RNA polymerase II to regulators of protein complex formation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG209848