

Product datasheet for **RG211731**

POC5 (NM_152408) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POC5 (NM_152408) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	POC5
Synonyms:	C5orf37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG211731 representing NM_152408
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGTGGGAAGATATGAAGAACTGCTTCATTATGCTATAGTACTCCAAATATTGAACCTGTGCTT
 CACAGTCATCTCATCCTAAGGGAGAATTGGTGCCAGATGTCAGAAATTTCTACAATTCATGATATTCTTCA
 TAGTCAAGGAAATAACTCTGAAGTAAGAGAACTGCAATAGAAGTTGGAAAAGGATGTGATTTCCATATT
 TCAAGTCATTCAAAGACAGATGAGTCATCACCAGTGTTATCGCCAAGGAAGCCTTCTCACCAGTCATGG
 ATTTTTTCAGTTCACATCTTTAGCTGACTCTTCTCACCAGCAACAAATCTAGTCATACAGATGCCCA
 TGAAATACTTGTGAGCGATTTTCTGTTTCTGATGAAAACCTTCAGAAGATGGAAAATGTGCTTGATCTT
 TGGAGTTCAGGTCTTAAGACAAACATCATATCTGAACTAAGTAAATGGAGACTTAATTTTATTGACTGGC
 ACCGAATGGAAATGAGAAAAGAGAAAAGAAAACATGCAGCACATTTAAAACAACGTGTAATCAGATCAA
 TGAAATGAAGGAGCTGCAAAAAACCTTTGAAATCTCCATTGGGAGAAAAGATGAGGTGATTTCTAGCTTG
 TCTCATGCCATAGGCAAGCAAAAAGGAAAAGATAGAGTTGATGAGAACATTTCTTCCACTGGCGAATCGGCC
 ATGTCAGAGCCAGACAGGATGTTTATGAAGTAACTAGCTGACCAGTACTACCAGAGAACCTTTACTGAA
 GAAAGTCTGAAAAGTCTGGCGTTCCGTAGTGCAAAAGCAGTGGAAAAGATGTGGTAGAAAAGAGCTTGCAA
 GCAAGAGCTGAAGAAGTTTGATCCAGATTTCCAATGATTATGAAGCCAAAGTTGCTATGTTATCTGGAG
 CTTTGGAAAATGCAAAAGCTGAGATTCAAAAGATGCAACATGAAAAGAGCACTTTGAAGATTCATGAA
 AAAAGCTTTCATGAGGGGTGATGTGCATTAATCTTGAAGCCATGACTATATTTCAAAACAGAAATGAT
 GCAGGGATAGACTCCACAATAATAAAAAGGAAGAGTATGGTCTGGTGTCAAGGAAAAGAACATTCTG
 CTCATTTGGATCCTTCAGCTCCTCCGATGCCCTTACCAGTTACATCACCAGTCTGCCATCCCCACCAGC
 CGCCGTCCGAGGAGCCAGCGCAGCTGCCGTTCCCTCAGCTGCTTCGATGACTTCTACCAGGCTGCTTCC
 GCATCTTCTGTTACGTTCTGTTTCTGCTCTTGGTGCAGGATCTGCAGTACTGCTGCATCAGAAGAAA
 TGTATGTGCCAAGAGTTGTAACCTCTGCACAACAGAAAGCAGGAAGAAGTATTACAGCCCGGATCACAGG
 AAGATGTGATTTTGTCTCAAAAAATAGAATTAGCAGCAGTTTAGCTATAATGGGAGTTTCTCCTCCCATG
 AGCTCAGTTGTTGTGGAAAACATCATCCAGTCACAGTGCAAACCATTCCTCAAGCAACTGCAGCAAAAT
 ATCCCCGACCATTATCCTGAAAGTAGTACCTCAGCTCCAGATCACTTGAACCAGATCAGCTCACAC
 CCAGTCTCTACAAGTGTTCATTCCATAAAAGTGGTTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211731 representing NM_152408
 Red=Cloning site Green=Tags(s)

MKWEYEELLHYAIVTPNIEPCASQSSHPKGLVPDVRISTIHDILHSQNNSEVRETAIEVKGKCDFHI
 SSHSKTDESSPVLSPRKPSHPVMDFFSSHLLADSSPATNSSHTDAHEILVSDFLVSDENLQKMENVLDL
 WSSGLKTNIISELKWRNFIDWHRMEMRKEKEKHAHLKQLCNQINELKELQKTFEISIGRKDEVISSL
 SHAIGKQKEKIELMRTFFHWRIGHVRARQDVYEGKLADQYYQRTLLKKVWVWRSVVQKQWKDVVERACQ
 ARAEEVCIQISNDYEAQVAMLSGALENAKAEIQRMQHEKEHFEDSMKAFMRGVCALNLEAMTIFQNRND
 AGIDSTNNKKEEYGPVQGKEHSAHLDPSPMPPLPVTSPLLPSPAAVGGASATAVPSAASMTSTRAAS
 ASSVHVPVSALGAGSAATAASEEMYVPRVVTSAQQKAGRTITARITGRCDFASKNRISSSLAIMGVSPPM
 SSVVVEKHPVTVQTIPOATAAKYPRTIHPESSTASRSLGTRSHTQSLTSVHSIKVVD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_152408

ORF Size: 1650 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_152408.2](#), [NP_689621.2](#)

RefSeq Size: 1698 bp

RefSeq ORF: 1653 bp

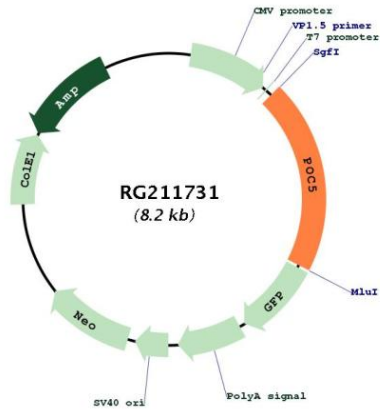
Locus ID: 134359

UniProt ID: [Q8NA72](#)

Cytogenetics: 5q13.3

Gene Summary: Essential for the assembly of the distal half of centrioles, required for centriole elongation.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211731