

## Product datasheet for **RC229648**

### **RABL4 (IFT27) (NM\_001177701) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RABL4 (IFT27) (NM\_001177701) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** RABL4  
**Synonyms:** BBS19; FAP156; RABL4; RAYL  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC229648 representing NM\_001177701  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGAAGCTGGCAGCCAAATGCATCCTGGCAGGAGACCCAGCAGTGGGCAAGACCGCCCTGGCACAGA  
TCTTCCGCAGTGATGGAGCCATTTCCAGAAAAGCTACACCCTGACAACAGGAATGGATTTGGTGGTGAA  
GACAGTCCAGTTCCTGACACGGGAGACAGTGTGGAACCTTCATTTTACTCTGCTGGCAAGGAGCTG  
TTTTCGGAAATGCTGGATAAATTGTGGGAGAGTCCCAATGTCTTATGTCTCGTCTATGATGTACCAATG  
AAGAATCCTTCAACAAGTGCAGCAAGTGGCTGGAGAAGGCTCGGTCACAGGCTCCAGGCATCTCTCTCCC  
AGGTGTTTTAGTTGGGAACAAGACAGACCTGGCCGGCAGACGAGCAGTGGACTCAGCTGAGGCCCGGCA  
TGGGCGCTGGGCCAGGGCCTGGAATGTTTTGAAACATCCGTGAAAGAGATGGAAAACCTCGAAGCCCTT  
TCCACTGCCTTGCCAAGCAGTTCACCAGCTGTACCGGGAGAAGGTGGAGTTTTCCGGGCCCTGGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC229648 representing NM\_001177701  
Red=Cloning site Green=Tags(s)

MVKLAAKCILAGDPAVGKTALAQIFRSDGAHFQKSYTLTTGMDLVVKTVPVPTDGSVELFIFDSAGKEL  
FSEMLDKLWESPNVLCVYDVTNEESFNNSKWLEKARSQAPGISLPGVLVGNKTDLAGRRAVDSAEARA  
WALGQGLECFETSVKEMENFEAPFHCLAKQFHQLYREKVEVFRALA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001177701

**ORF Size:** 558 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\\_001177701.3](#)

**RefSeq Size:** 1104 bp

**RefSeq ORF:** 561 bp

**Locus ID:** 11020

**UniProt ID:** [Q9BW83](#)

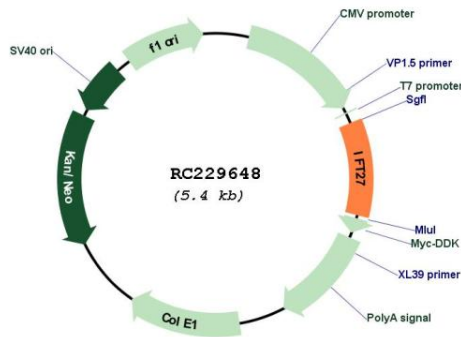
**Cytogenetics:** 22q12.3

**Protein Families:** Druggable Genome

**MW:** 20.5 kDa

**Gene Summary:** This gene encodes a GTP-binding protein that is a core component of the intraflagellar transport complex B. Characterization of the similar *Chlamydomonas* protein indicates a function in cell cycle control. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012]

**Product images:**



Circular map for RC229648