

Product datasheet for **RG229648**

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: TurboGFP
Symbol: IFT27
Synonyms: BBS19; FAP156; RABL4; RAYL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229648 representing NM_001177701
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGAAGCTGGCAGCCAAATGCATCCTGGCAGGAGACCCAGCAGTGGGCAAGACCGCCCTGGCACAGA
TCTTCCGAGTGATGGAGCCATTTCCAGAAAAGCTACACCCTGACAACAGGAATGGATTTGGTGGTGAA
GACAGTCCAGTTCCTGACACGGGAGACAGTGTGGAACCTTCATTTTACTCTGCTGGCAAGGAGCTG
TTTTCGGAAATGCTGGATAAATTGTGGGAGAGTCCCAATGTCTTATGTCTCGTCTATGATGTGACCAATG
AAGAATCCTTCAACAAGTGCAGCAAGTGGCTGGAGAAGGCTCGGTCACAGGCTCCAGGCATCTCTCTCCC
AGGTGTTTTAGTTGGGAACAAGACAGACCTGGCCGGCAGACGAGCAGTGGACTCAGCTGAGGCCCGGGCA
TGGGCGCTGGGCCAGGGCCTGGAATGTTTTGAAACATCCGTGAAAGAGATGGAAAACCTCGAAGCCCTT
TCCACTGCCTTGCCAAGCAGTTCACCAGCTGTACCGGGAGAAGGTGGAGTTTTCCGGGCCCTGGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229648 representing NM_001177701
Red=Cloning site Green=Tags(s)

MVKLAAKCILAGDPAVGKTALAQIFRSDGAHFQKSYTLTTGMDLVVKVVPVDPDTGDSVELFIFDSAGKEL
FSEMLDKLWESPNVLCVYDVTNEESFNCSKWLEKARSQAPGISLPGVLVGNKTDLAGRRVDSAEARA
WALGQGLECFETSVKEMENFEAPFHCLAKQFHQLYREKVEVFRALA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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| 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: | <ol style="list-style-type: none">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: | <u>NM_001177701.3</u> |
| RefSeq Size: | 1104 bp |
| RefSeq ORF: | 561 bp |
| Locus ID: | 11020 |
| UniProt ID: | <u>Q9BW83</u> |
| Cytogenetics: | 22q12.3 |
| Protein Families: | Druggable Genome |
| 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] |