

## Product datasheet for **RG208763**

### p40 (RABEPK) (NM\_005833) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | p40 (RABEPK) (NM_005833) Human Tagged ORF Clone                             |
| Tag:                      | TurboGFP  |
| Symbol:                   | p40   |
| Synonyms:                 | bA65N13.1; p40; RAB9P40   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >RG208763 representing NM_005833<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAAGCAACTGCCAGTCTTGGAACTGGAGACAAGCCCAGGAAAGCAACATGGTACACCTTGACTGTCC  
CTGGAGACAGCCCCTGTGCTCGAGTTGGCCACAGCTGTTTCATATTTACCCCAGTTGGTAATGCCAAGAG  
AGGGAAGGTCTTCATTGTTGGGGAGCAAATCCAACAGAAGCTTCTCAGACGTGCACACCATGGATCTG  
GGAAAACACCAGTGGGACTTAGATACCTGCAAGGGCCTCTGCCCGGTATGAACATGCTAGCTTCATTC  
CCTCCTGCACACCTGACCGTATCTGGGTATTTGGAGGTGCCAACCAATCAGGAAATCGAAATTGTCTACA  
AGTCTGAATCCTGAAACCAGGACGTGGACCACGCCAGAAGTGACCAGCCCCCACCATCCCAAGAACA  
TTCCACACATCATCGGCAGCCATTGGAACCAGCTATATGTCTTTGGGGCGGAGAGAGAGGTGCCCAGC  
CCGTGCAGGACACGAAGCTGCATGTGTTGACGCAAACTCTGACCTGGTACAGCCAGAGACACTTGG  
AAATCCTCCATCTCCCGGCATGGTCAATGTGATGGTGGCAGCAGGGACAAAGCTCTTCATCCACGGAGGC  
TTGGCGGGGGACAGATTCTATGATGACCTCCACTGCATTGATATAAGTGACATGAAATGGCAGAAGCTAA  
ATCCCCTGGGGCTGCTCCAGCAGGCTGTGCTGCCACTCAGCTGTGGCCATGGGAAAACATGTGTACAT  
CCTTGGTGAATGACTCCTGCAGGAGCACTGGACACAATGTACCAGTATCACACAGAAGAGCAGCATTGG  
CAGTGACGTGTGCTTCTGAGAAAAGAAGATTCCAACCTCTCACTCTGAACCATGAAGCTGAGAAAAGAGGA  
TTCAGCTGACAAAAGTAATGAGCCACAGTGGTGACTCACATGAGGAAAGCCAGACTGCTACACTGCTCTGT  
TTGGTGTGGTGGGATGAATACAGAAGGGGAAATCTATGACGATTGTATTGTGACTGTAGTGGAC

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208763 representing NM\_005833  
 Red=Cloning site Green=Tags(s)

MKQLPVLEPGDKPRKATWYTLTVPGDSPCARVGHSCSYLPPVGNAKRGKVFIVGGANPNRSFSDVHTMDL  
 GKHQWDLDTCKGLLPRYEHSFIPSCTPDRIWVFGGANQSGNRNCLQVLNPETRTWTTPEVTSPPPSPT  
 FHTSSAAIGNQLYVFGGERGAQPVQDTKLHVFDANTLWSQPETLGNPPSPRHGHVMAAGTKLFIHGG  
 LAGDRFYDDLHCIDIIDMKWQKLNPTGAAPAGCAAHSVAMGKHVYIFGGMTPAGALDTMYQYHTEEQHW  
 TLLKFDTLPPGRLDHSNCIIPWPVTCASEKEDSNLTLNHEAEKEDSADKVMSHSGDSHEESQTATLLC  
 LVFGMNTEGEIYDDCIVTVVD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005833

**ORF Size:** 1116 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\\_005833.4](#)

**RefSeq Size:** 1721 bp

**RefSeq ORF:** 1119 bp

**Locus ID:** 10244

**UniProt ID:** [Q7Z6M1](#)

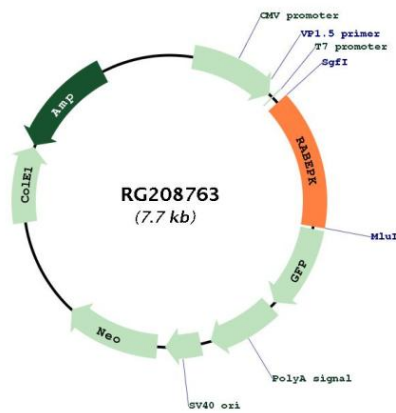
**Cytogenetics:** 9q33.3

**Domains:** Kelch

**Protein Families:** Druggable Genome

**Gene Summary:** Rab9 effector required for endosome to trans-Golgi network (TGN) transport. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG208763