

## Product datasheet for **RC229957**

### **p40 (RABEPK) (NM\_001174152) Human Tagged ORF Clone**

#### Product data:

|                           |                         |
|---------------------------|-------------------------|
| Product Type:             | Expression Plasmids     |
| Tag:                      | Myc-DDK                 |
| Symbol:                   | p40                     |
| Synonyms:                 | bA65N13.1; p40; RAB9P40 |
| Mammalian Cell Selection: | Neomycin                |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)    |

**ORF Nucleotide Sequence:** >RC229957 representing NM\_001174152  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGAAGCAACTGCCAGTCTTGGAACTGGAGACAAGCCAGGAAAGCAACATGGTACACCTTGACTGTCC  
CTGGAGACAGCCCCCTGTCTCGAGTTGGCCACAGCTGTTTCATATTTACCCCAAGTGGTAATGCCAAGAG  
AGGGAAGGTCTTCATTGTTGGGGAGCAATCCAACAGAAGCTTCTCAGACGTGCACACCATGGATCTG  
GGAAAAACACAGTGGGACTTAGATACCTGCAAGGGCTCTTGCCCCGGTATGAACATGCTAGCTTCATT  
CCTCCTGCACACCTGACCGTATCTGGGTATTTGGAGGTGCCAACCAATCAGGAAATCGAAATTGTCTACA  
AGTCTGAATCCTGAAACCAGGACGTGGACCACGCCAGAAAGTGACCAGCCCCCACCATCCCAAGAACA  
TTCCACACATCATCGGCAGCCATTGAAACCAGCTATATGTCTTTGGGGCGGAGAGAGAGGTGCCAGC  
CCGTGCAGGACACGAAGCTGCATGTGTTTGACGCAAACTCTGACCTGGTCACAGCCAGAGACACTTGG  
AAATCCTCCATCTCCCGGCATGGTCATGTGATGGTGGCAGCAGGACAAAGCTCTTCATCCACGGAGGC  
TTGGCGGGGGACAGATTCTATGATGACCTCCACTGCATTGATATAAGTGACATGAAATGGCAGAAGCTAA  
ATCCCACTGGGGCTGTCCAGCAGGCTGTGCTGCCCACTCAGCTGTGGCCATGGGAAACATGTGTACAT  
CTTTGGTGAATGACTCCTGCAGGAGCACTGGACACAATGTACCAGTATCACACAGAAGAGCAGCATTGG  
ACCTTGCTTAAATTTGATACTCTTACCCCTGGACGATTGGACCATCCATGTGTATCATTCCATGGC  
CAGTGACGTGTCTCTGAGAAAGAAGATTCCAACCTCTCACTCTGAACCATGAAGCTGAGAAAGAGGA  
TTCAGTGCACAAAGTAATGAGCCACAGTGGTGACTCACATGAGGAAAGCCAGACTGCTACACTGCTCTGT  
TTGGTGTGGTGGGATGAATACAGAAGGGGAATCTATGACGATTGTATTGTGACTGTAGTGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RC229957 representing NM\_001174152  
Red=Cloning site Green=Tags(s)

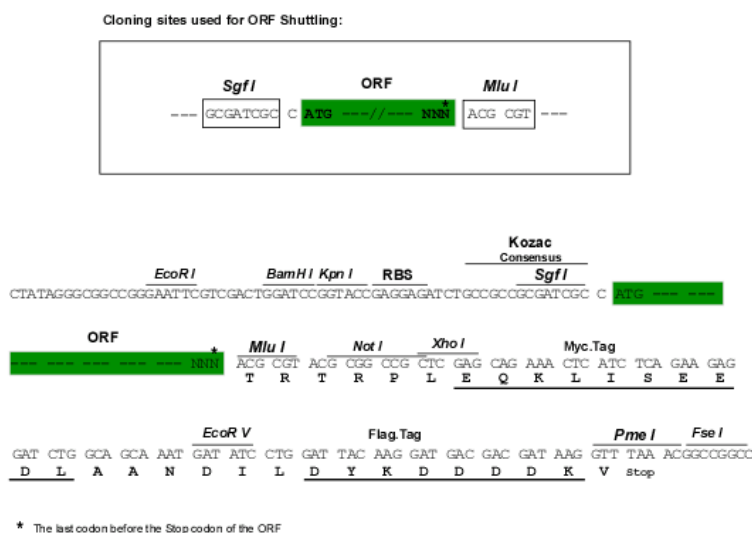
MKQLPVLPEPGDKPRKATWYTLTPVGDSPCARVGHSCSYLPVPGNAKRGKVFIVGGANPNRSFSDVHTMDL  
 GKHWDLDTCKGLPRYEHASFIPSCPTDRIWVFGGANQSGNRNCLQVLNPETRTWTTPEVTPPPSPRT  
 FHTSSAAIGNQLYVFGGGERGAQPVDTKLHVFDANTLTWSQPETLGNPPSPRHGHVMVAAGTKLFIHGG  
 LAGDRFYDDLHCIDISDMKWQLNPTGAAPAGCAAHSAVAMGKHVYIFGGMTPAGALDTMYQYHTEEQHW  
 TLLKFDLTLPGRGLDSMCIIWPVPTCASEKEDNSLTNLNHEAKEDSADKVMSHSGDSHEESQATATLLC  
 IVEGGMNTTEGFYDDCSITVVD

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8103\\_c07.zip](https://cdn.origene.com/chromatograms/mk8103_c07.zip)

**Restriction Sites:** SgfI-MluI

### Cloning Scheme:



ACCN: NM\_001174152

ORF Size: 1116 bp

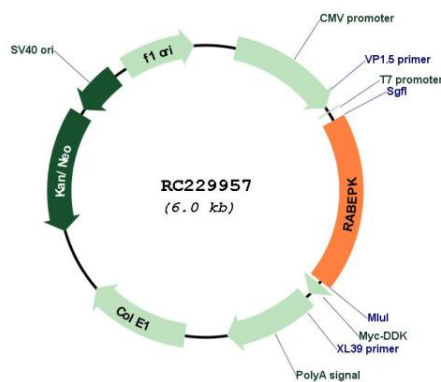
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_001174152.1, NP_001167623.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 1560 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1119 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 10244                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u>Q7Z6M1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 9q33.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Families:</b>      | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MW:</b>                    | 40.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | Rab9 effector required for endosome to trans-Golgi network (TGN) transport.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                              |

**Product images:**



Circular map for RC229957