

Product datasheet for **RG229957**

p40 (RABEPK) (NM_001174152) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p40 (RABEPK) (NM_001174152) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RABEPK
Synonyms:	bA65N13.1; p40; RAB9P40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229957 representing NM_001174152 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCAACTGCCAGTCTTGGAACTGGAGACAAGCCCAGGAAAGCAACATGGTACACCTTGACTGTCC
CTGGAGACAGCCCTGTGCTCGAGTTGGCCACAGCTGTTCATATTTACCCCAAGTTGGTAATGCCAAGAG
AGGGAAGGTCTTCATTGTTGGGGGAGCAAATCCAACAGAAGCTTCTCAGACGTGCACACCATGGATCTG
GGAAAACACCAGTGGGACTTAGATACCTGCAAGGGCCTCTGCCCGGTATGAACATGCTAGCTTCATTC
CCTCCTGCACACCTGACCGTATCTGGGTATTTGGAGGTGCCAACCAATCAGGAAATCGAAATTGTCTACA
AGTCTGAATCCTGAAACCAGGACGTGGACCACGCCAGAAGTGACCAGCCCCCACCATCCCAAGAACA
TTCCACACATCATCGGCAGCCATTGAAACCAGCTATATGTCTTTGGGGCGGAGAGAGAGGTGCCAGC
CCGTGCAGGACACGAAGCTGCATGTGTTGACGCAAACTCTGACCTGGTACAGCCAGAGACACTTGG
AAATCCTCCATCTCCCGGCATGGTCAATGTGATGGTGGCAGCAGGGACAAAGCTCTTCATCCACGGAGGC
TTGGCGGGGACAGATTCTATGATGACCTCCACTGCATTGATATAAGTGACATGAAATGGCAGAAGCTAA
ATCCCCTGGGGTGTCTCCAGCAGGCTGTGCTGCCACTCAGCTGTGGCCATGGGAAAACATGTGTACAT
CCTTGGTGAATGACTCCTGCAGGAGCACTGGACACAATGTACCAGTATCACACAGAAGAGCAGCATTGG
CAGTGACGTGTGCTTCTGAGAAAGAAGATTCCAACCTCTCACTCTGAACCATGAAGCTGAGAAAGAGGA
TTCAGCTGACAAAAGTAATGAGCCACAGTGGTGACTCACATGAGGAAAGCCAGACTGCTACACTGCTCTGT
TTGGTGTGGTGGGATGAATACAGAAGGGGAAATCTATGACGATTGTATTGTGACTGTAGTGGAC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229957 representing NM_001174152
 Red=Cloning site Green=Tags(s)

MKQLPVLEPGDKPRKATWYTLTVPGDSPCARVGHSCSYLPPVGNKRKGVFIVGGANPNRSFSDVHTMDL
 GKHQWDLDTCKGLLPRYEHSFIPSCTPDRIWVFGGANQSGNRNCLQVLNPETRTWTTPEVTSPPPSPT
 FHTSSAAIGNQLYVFGGERGAQPVQDTKLHVFDANTLWSQPETLGNPPSPRHGHVMAAGTKLFIHGG
 LAGDRFYDDLHCIDIIDMKWQKLNPTGAAPAGCAAHSAVAMGKHVYIFGGMTPAGALDTMYQYHTEEQHW
 TLLKFDLLPPGRLDHSNCIIPWPVTCASEKEDSNLTLNHEAEKEDSADKVMSHSGDSHEESQTATLLC
 LVFGGMNTEGEIYDDCIVTVVD

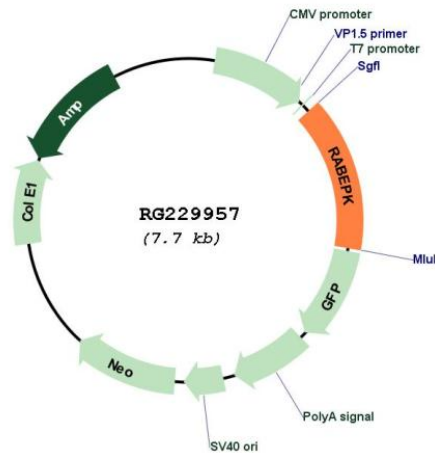
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
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:	NM_001174152.1 , NP_001167623.1
RefSeq Size:	1560 bp
RefSeq ORF:	1119 bp
Locus ID:	10244
UniProt ID:	Q7Z6M1
Cytogenetics:	9q33.3
Protein Families:	Druggable Genome
Gene Summary:	Rab9 effector required for endosome to trans-Golgi network (TGN) transport. [UniProtKB/Swiss-Prot Function]