

Product datasheet for RC208763

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:	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:	>RC208763 representing NM_005833 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCAACTGCCAGTCTTGGAACTGGAGACAAGCCCAGGAAAGCAACATGGTACACCTTGACTGTCC
CTGGAGACAGCCCTGTGCTCGAGTTGGCCACAGCTGTTTCATATTTACCCCAAGTTGGTAATGCCAAGAG
AGGGAAGGTCTTCATTGTTGGGGGAGCAAATCCAAACAGAAGCTTCTCAGACGTGCACACCATGGATCTG
GGAAAACACCAGTGGGACTTAGATACCTGCAAGGGCCTCTGCCCGGTATGAACATGCTAGCTTCATTC
CCTCCTGCACACCTGACCGTATCTGGGTATTTGGAGGTGCCAACCAATCAGGAAATCGAAATTGTCTACA
AGTCTGAATCCTGAAACCAGGACGTGGACCACGCCAGAAGTGACCAGCCCCCACCATCCCAAGAACA
TTCCACACATCATCGGCAGCCATTGAAACCAGCTATATGTCTTTGGGGCGGAGAGAGAGGTGCCCAGC
CCGTGCAGGACACGAAGCTGCATGTGTTGACGCAAACTCTGACCTGGTACAGCCAGAGACACTTGG
AAATCCTCCATCTCCCGGCATGGTCAATGTGATGGTGGCAGCAGGGACAAAGCTCTTCATCCACGGAGGC
TTGGCGGGGGACAGATTCTATGATGACCTCCACTGCATTGATATAAGTGACATGAAATGGCAGAAGCTAA
ATCCCCTGGGGCTGCTCCAGCAGGCTGTGCTGCCACTCAGCTGTGGCCATGGGAAAACATGTGTACAT
CCTTGGTGAATGACTCCTGCAGGAGCACTGGACACAATGTACCAGTATCACACAGAAGAGCAGCATTGG
ACCTTGCTTAAATTTGATACTCTTCAACCCCTGGACGATTGGACCATTCCATGTGTATCATTCCATGCG
CAGTGACGTGTGCTTCTGAGAAAGAAGATTCCAACCTCTCACTCTGAACCATGAAGCTGAGAAAGAGGA
TTCAGCTGACAAAGTAATGAGCCACAGTGGTGACTCACATGAGGAAAGCCAGACTGCTACACTGCTCTGT
TTGGTGTGGTGGGATGAATACAGAAGGGGAAATCTATGACGATTGTATTGTGACTGTAGTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208763 representing NM_005833
Red=Cloning site Green=Tags(s)

MKQLPVLEPGDKPRKATWYTLVPGDSPCARVGHSCSYLPPVGNKRKGVFIVGGANPNRSFSDVHTMDL
 GKHWDLDTCKGLLPRYEHSFIPSCTPDRIWVFGGANQSGNRNCLQVLNPETRTWTTPEVTSPPSPRT
 FHTSSAAIGNQLYVFGGERGAQPVQDTKLHVFDANTLWTSQPETLGNPPSPRHGHVMAAGTKLFIHGG
 LAGDRFYDDLHCIDIIDMKWQKLNPTGAAPAGCAAHSAVAMGHVYIFGGMTPAGALDTMYQYHTEEQHW
 TLLKFDLTPPGRLDHSMCIIPWPVTCASEKEDSNLTLNHEAEKEDSADKVMMSHSGDSHEESQATLLC
 LVFGGMNTEGEIYDDCIVTVVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1778_h09.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_005833.4](#)

RefSeq Size: 1721 bp

RefSeq ORF: 1119 bp

Locus ID: 10244

UniProt ID: [Q7Z6M1](#)

Cytogenetics: 9q33.3

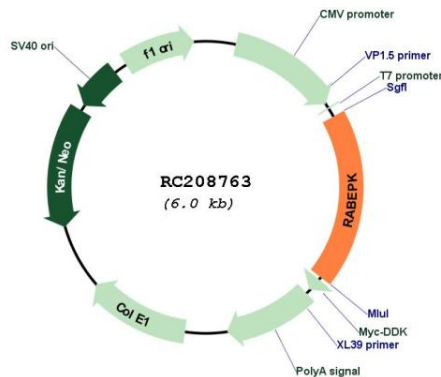
Domains: Kelch

Protein Families: Druggable Genome

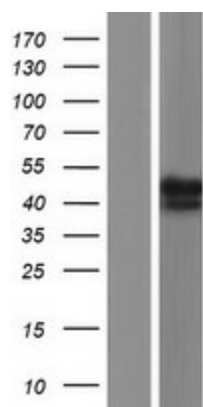
MW: 40.6 kDa

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

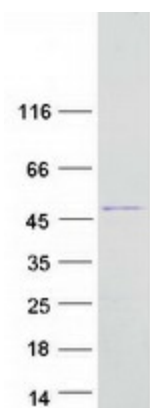
Product images:



Circular map for RC208763



Western blot validation of overexpression lysate (Cat# [LY417020]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208763 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RABEPK protein (Cat# [TP308763]). The protein was produced from HEK293T cells transfected with RABEPK cDNA clone (Cat# RC208763) using MegaTran 2.0 (Cat# [TT210002]).