

Product datasheet for **RC239532**

MYRIP (NM_001284425) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYRIP (NM_001284425) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MYRIP
Synonyms:	SLAC2-C; SLAC2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC239532 representing NM_001284425
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGAAGGCAGCAAGTGCAGCATCCTCTCGAAGCACCAGCAGTTTGTGGAGCACTGCTGCATGCGCTG
 CTGCTCGCCCTTACCTTCCTCGTCAACACCAAGCGCCAGTGTGGAGATTGCAAATTCATGTCTGCAAG
 AGCTGCTGCTCCTACCAGAAGCACGAAAAGGCCTGGGTCTGCTGCGTCTGCCAGCAAGCGAGGAGGAAGC
 CTTTTGAGTCAAACCTGGAGAATGAAGGAAGCATTCTGGCAGTGATTCAACATTTTATAGGCAGTCAG
 AAGGACATAGTGTGATGGACACCTTGGCTGTGGCCCTACGGGTGGCTGAAGAGGCCATTGAGGAAGCAAT
 TTCAAAGCAGAGGCATATGGGGACAGCCTGGACAAGCAAAATGAGGCCAGTTACCTGCGGGACCACAAG
 GAGGAGCTAACTGAGGAAGTGGCCACGACAATCCTGCAGAAGATTATACGAAAACAGAAGAGCAAAAGTG
 AGCAGCAAGTGAAGAAGAGCCAGGATGGCCACATCCCAGAGTTGCAGCACAAAGGTGGCAGATGAGGG
 GACCTCAGCATCCCCTGGAGGCTACCGTCTCCGCTGCCCTCTGGAGGTCCCAGTCTGCCTTCTCAATC
 ACTGGAGAAGAAGCCCTGAAGACCCCTCCAGTGGAGGCTCCATCGAGGCAGCCAAAGGACCAAGGCCAAC
 ACCCGAGAGCAGAGTCTGCTCTGCCCAGCTGGAAGAGTGTGGACAGGCTGGATGAAACAAACCTGGCCCC
 AGTTTTGCAGAGCCCCGACGGGAAGTGGGTGGCCCTGAAGGATGGCGCTCCACCCCCACCCGACTACTG
 GCCAAACCTAAGAGCGGGACGTTTCAGGCCCTGGAGGTGGCCTCCAGTGTGGCATCTGCCTACGATGAGA
 TGGGCTCCGATAGCGAGGAAGACTTTGACTGGAGTGAGGCCTTGAGCAAGCTGTGTCCAGGTCCCGGGC
 CCTGCCAGGAACCCCCAGCCTCAGCCACACAGGCCAGAGCTCTGACCAAGGCCCATAGCTGCCTCC
 CCATCCTCTGCACTCTCCCCAACCTGAGGCCATGTGCTCTGACTCGGAGACCTCTCCGAGGCTCTT
 CCCGAGAAGTTGGGCACCAGGCCAGACTGTCTGGTTGCAGAGGAAGCCCCCAGGAACCTGCAGCTGA
 GAAGATGCGCTTGATGGAGAGCTGGACGTGAACCTCAACCCCCAGTTGGCCAGCAGGGAGACCTCGGAC
 AGCAGCGAGCCGAGGAGGCCCCCCACACCACAGACCGCGGGCCAGGAGGTGGAGAAGAGCCCGACTGG
 GCTCAGAAGAGCCAAGCAAGAACCATCTTCCCCAGCGCCAGCTCCGGGATCTAGACACATCAGGT
 GTCGGATGATTTATCAGAGACAGACATCAGCAATGAGGCTCGGGATCCCCAGACTCTCACAGACACCACA
 GAGGAGAAACGGAGAAACAGGCTGTACGAGTTAGCAATGAAAATGAGTGAAGAGGAGACTTCTCAGGGG
 AGGATCAGGAGTCTGAGCCCAAGACAGAATCTGAGAACCAGAAGGAAAGTCTGTCTCTGAAGACAACAG
 CCAGAGTGTCCAGGAAGAGCTGAAGAAGAAGTTTCTGCTGTTTCTCTCTGCAACATCTCCACAGAAGTC
 CTGAAAGTCATCAATGCCACAGAGGAGTTGATAGCAGGATCTACAGGGCCCTGGGAGTCCCACAAGTCC
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 CCTGGAAGAAAATGTATACCTGGCAGCAGGCACTGTGTATGGACTGGAGACCCAGCTGACTGAGCTAGAA
 GATGCCCGCCGCTGCATCCACAGTGGCACTGATGAGACCATCTGGCGGATCTGGAGGACCAGGTGGCCA
 CGGCTGCAGCCCAAGTCCACCATGTGTAAGTCCAGATTTAGATATTGAGAGCCGGATTTAGCCCTGAC
 CATTGCAGGATTAACATAGCACCATGTGTGCGCTTACAAGAAGACGGGATCAGAAGCAAGGACCCAG
 GTACAAACCATAGATACATCAAGGCAGCAAAGGAGGAAACTGCCTGCTCCACCGGTGAAAGCTGAAAAA
 TTGAGACATCTTCAGTGACTACCATTAACCACTTAACCACTTCAATCTCAAGGCTCCTCAACAAA
 CAGGACTAAGGAAAGGAAAGGCACCAAGGATTTGATGGAGCCTGCTCTGGAGTCAGCTGTGATGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239532 representing NM_001284425
 Red=Cloning site Green=Tags(s)

MRKAASAASSRSTSSLWSTAACAAARPSPSSSTPSASVEIANSMSARAAAPTRSTKRPGSAASASKRGGS
 LFESNLENEGSI SGSDSTFYRQSEGHVMDTLAVALRVAEEAIEEAISKAEAYGDSL DKQNEASYLRDHK
 EELTEELATTILQKIIRKQKSKSEQQVEEPEGWPHQPSCSTKVADEGTSASPGGYRAPAALWRSQSFSI
 TGEELKTPPVEAPSRQPRDQGHPRAESALPSWKSVDRLDETNLAPVLQSPDGNWVALKDGAPPPTRLL
 AKPKSGTFQALEVASSVASAYDEMGSDSEEDFDWSEALSKLCPRSRALPRNPQPQTQAQSSDQGPAAAS
 PSSALSPNPEAMCSDSETSSAGSSREVGHQARLSWLQRKAPRNPAAEKMRLHGELDVNFNPQLASRETS
 SSEPEEAPHTTDRRARRRRARLGSEEPSKEPSSPSAQLRDLDT HQVSDDLSETDISNEARDPQTLTDTT
 EEKRRNRLYELAMKSEKETSSGEDQESEPKESEENQKESLSSDNSQSVQEELKKKFSAYSLCNISTEV
 LKVINATEELIAGSTGPWESPQVPPDRQKGMFPRGTDQVRLDEQLTSLEENVYLAAGTVYGLETQLTELE
 DAARCIHSGTDETHLADLEDQVATAAAQVHHAELQISDIESRISALTIAGLNIPCVRFTRRRDQKQRTQ
 VQTIIDTSRQRRKL PAPPVKAETSSVTTIKTFNHNFILQGSSTNRTKERKGTTKDLMEPALESAMVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001284425

ORF Size: 2310 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_001284425.1](#), [NP_001271354.1](#)

RefSeq Size: 4909 bp

RefSeq ORF: 2313 bp

Locus ID: 25924

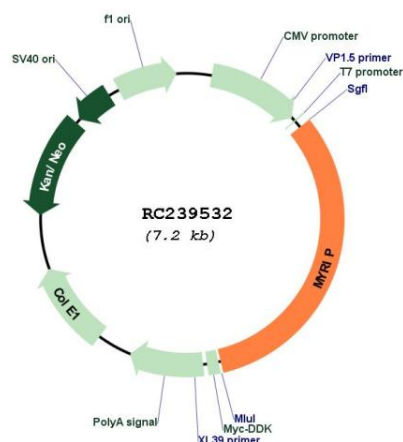
UniProt ID: [Q8NFW9](#)

Cytogenetics: 3p22.1

MW: 84.4 kDa

Gene Summary: Rab effector protein involved in melanosome transport. Serves as link between melanosome-bound RAB27A and the motor proteins MYO5A and MYO7A. May link RAB27A-containing vesicles to actin filaments. Functions as a protein kinase A-anchoring protein (AKAP). May act as a scaffolding protein that links PKA to components of the exocytosis machinery, thus facilitating exocytosis, including insulin release (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239532