

Product datasheet for **RC239280**

MYRIP (NM_001284426) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYRIP (NM_001284426) 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:**

>RC239280 representing NM_001284426
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACACCTTGGCTGTGGCCCTACGGGTGGCTGAAGAGGCCATTGAGGAAGCAATTTCCAAAGCAGAGG
 CATATGGGGACAGCCTGGACAAGCAAAATGAGGCCAGTTACCTGCGGGACCACAAGGAGGAGCTAACTGA
 GGAACTGGCCACGACAATCCTGCAGAAGATTATACGAAAACAGAAGAGCAAAAGTGAGCAGCAAGTGGAA
 GAAGAGCCAGGATGGCCACATCCCAGAGTTGCAGCACAAAGGTGGCAGATGAGGGGACCTCAGCATCCC
 CTGGAGGCTACCGTGCTCCCGTGCCCTCTGGAGGTCCCAGTCTGCCTTCTCAATCACTGGAGAAGAAGC
 CCTGAAGACCCCTCCAGTGGAGGCTCCATCGAGGCAGCCAAGGGACCAAGGCCAACCCGAGAGCAGAG
 TCTGCTCTGCCAGCTGGAAGAGTGTGGACAGGCTGGATGAAACAAACCTGGCCCCAGTTTTGCAGAGCC
 CCGACGGGAAGTGGGTGGCCCTGAAGGATGGCGCTCCACCCCCACCCGACTACTGGCCAAACCTAAGAG
 CGGGACGTTTCAGGCCCTGGAGGTGGCCTCCAGTGTGGCATCTGCCTACGATGAGATGGGCTCCGATAGC
 GAGGAAGACTTTGACTGGAGTGAGGCCTTGAGCAAGCTGTGTCCAGGTCCCGGGCCCTGCCAGGAACC
 CCCAGCCTCAGCCACACAGGCCCAGAGCTCTGACCAAGGCCCATAGCTGCCTCCCCATCCTCTGCACT
 CTCCCCAACCCCTGAGGCCATGTGCTCTGACTCGGAGACCTCCTCCGAGGCTCTTCCCGAGAAGTTGGG
 CACCAGGCCAGACTGTCTGGTTGCAGAGGAAGGCCCCAGGAACCTGCAGTGAGAAGATGCGCTTGC
 ATGGAGAGCTGGACGTGAACCTCAACCCCCAGTTGGCCAGCAGGGAGACCTCGGACAGCAGCGAGCCGGA
 GGAGGCCCCCACACCACAGACCGGCGGGCCAGGAGGTGGAGAAGAGCCGACTGGGCTCAGAAGAGCCA
 AGCAAAGAACCATCTTCCCCAGCGCCAGCTCCGGGATCTAGACACACATCAGGTGTGGATGATTTAT
 CAGAGACAGACATCAGCAATGAGGCTCGGGATCCCCAGACTCTCACAGACACCACAGAGGAGAAACGGAG
 AAACAGGCTGTACGAGTTAGCAATGAAAATGAGTGAAAAGGAGACTTCTTCAGGGGAGGATCAGGAGTCT
 GAGCCCCAAGACAGAATCTGAGAACCAGAAGGAAAAGTCTGTCTCTGAAGACAACAGCCAGAGTGTCCAGG
 AAGAGCTGAAGAAGAAGTTTTCTGCTGTTTCTCTCTGCAACATCTCCACAGAAGTCTGAAAGTCATCAA
 TGCCACAGAGGAGTTGATAGCAGGATCTACAGGGCCCTGGGAGTCCCCACAAGTCCCTCCTGACAGACAG
 AAGGGGATGTTTCTCTGTTGGACAGACCAAGTGAGACTGGATGAGCAGCTGACTTCCCTGGAAGAAAATG
 TATACCTGGCAGCAGGCACTGTGTATGGACTGGAGACCCAGCTGACTGAGCTAGAAGATGCCGCCCGCTG
 CATCCACAGTGGCACTGATGAGACCCATCTGGCGGATCTGGAGGACCAGGTGGCCACGGCTGCAGCCCAA
 GTCCACCATGCTGAACCTCAGATTTTCAGATATTGAGAGCCGATTTTCAGCCCTGACCATTCAGGATTAA
 ACATAGCACCATGTGTGCGCTTCAAGAAGACGGGATCAGAAGCAAAGGACCCAGGTACAAACCATAGA
 TACATCAAGGCAGCAAAGGAGGAAAAGTCCCTGCTCCACCGGTGAAAGCTGAAAAAATTGAGACATTTCA
 GTGACTACCATTAAAAACATTTAACCACAACCTCATTCTCCAAGGCTCCTCAACAAACAGGACTAAGGAAA
 GGAAAGGCACCACCAAGGATTTGATGGAGCCTGCTCTGGAGTCAGCTGTGATGTAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239280 representing NM_001284426
 Red=Cloning site Green=Tags(s)

MDTLAVALRVAEEAIEEAISKAEAYGDSLKDQNEASYLRDHKEELTEELATTILQKIIRKQKSKSEQQVE
 EEPGWPHQPQSCSTKVADEGTASPGGYRAPAALWRSQSAFSITGEEALKTPPVEAPSRQPRDQGQHPRAE
 SALPSWKSVDRLDETNLAPVLQSPDGNWVALKDGAAPPTRLLAKPKSGTFQALEVASSVASAYDEMGSDS
 EEDFDWSEALSKLCPRSRALPRNPQPQTQAQSSDQGPAAASPSSALSPNPEAMCSDSETSSAGSSREVG
 HQARLSWLQRKAPRNPAAEKMRLHGELDVNFPQLASRETSDSSEPEEAPHTTDRRARRWRRARLGSEEP
 SKPESSPSAQLRDLDTHQVSDDLSETDISNEARDPQTLTDTTEEKRRNRLEYLAMKMKSEKETSSGEDQES
 EPKTESENQKESLSSDNSQSVQEELKKKFSAVSLCNISTEVLKVINATEELIAGSTGPWESQVPPDRQ
 KGMFPRGTDQVRLDEQLTSLEENVYLAAGTVYGLETQLTELEDAARCIHSGTDETHLADLEDQVATAAAQ
 VHHAELQISDIESRISALTIAGLNIAPCVRFRTRRDQKQRTQVQTIDTSRQRRKLAPPVKAETSS
 VTTIKTFNHNFIHQGSSTNRTKERKGTTKDLMEPALESAVMY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001284426

ORF Size: 2016 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_001284426.1](#), [NP_001271355.1](#)

RefSeq Size: 4667 bp

RefSeq ORF: 2019 bp

Locus ID: 25924

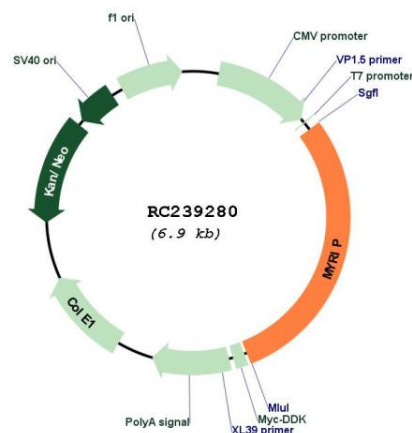
UniProt ID: [Q8NFW9](#)

Cytogenetics: 3p22.1

MW: 74.6 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 RC239280