

Product datasheet for **SC100943**

MYRIP (NM_015460) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYRIP (NM_015460) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYRIP
Synonyms:	SLAC2-C; SLAC2C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100943 sequence for NM_015460 edited (data generated by NextGen Sequencing)

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ATGGGGAGGAAGCTGGACCTGTCTGGTTTGACTGATGATGAAACAGAGCATGTTCTTCAG
GTGGTTCAAAGAGACTTCAATCTTCGAAAAAAGAAGAAGAACGACTAAGTGAGCTGAAG
CAGAAGCTGGATGAGGAAGGCAGCAAGTGCAGCATCCTCTCGAAGCACCAGCAGTTTGTG
GAGCACTGCTGCATGCGCTGCTGCTCGCCCTTACCTTCTCGTCAACACCAAGCGCCAG
TGTGGAGATTGCAAATTCATGTCTGCAAGAGCTGCTGCTCCTACCAGAAGCACGAAAAAG
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TTCTACAATAATGTGAAGAGCCGCTTCAAGCGCTTTGGCAGTGCCAAGGTTCTGAAGAAC
CTGTACAGGAAGCACCAGCTGGAGAGTGGCGCGTGCTTCGACATTCTAGGAGGAAGCCTT
TTTGAGTCAAACCTGGAGAATGAAGGAAGCATTCTGGCAGTGATTCAACATTTTATAGG
CAGTCAGAAGGACATAGTGTGATGGACACCTTGGCTGTGGCCCTACGGGTGGCTGAAGAG
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Clone variation with respect to NM_015460.2

1396 g=>t;1594 c=>t;1713 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015460 unedited
 ATCTTACCCCGCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA
 AGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCC
 GCGAATTGGGCACGAGGCCCTGGCTGCCTGCGGCGGGCGCCTCCCTCGCAGCCGCTGC
 TGCCGACGCCGCTGCGCTCCCGCCTCCTGTCGGTCCCGGGTCCCGCTGCGGCTGCGGT
 TCTGGCAGCCGAGCCCCGCGGTGCTGCAGCCAGCTTTAGCGCGCAGACCGACCCGCGC
 CCCTTCTTGCCTCCCGCAGCCTCTAATCCACGCGGCGGTTGCGGCAGGTGCCCTGGG
 GTACTGAGGCGCGGTGGCCTGAGCCCGGCCATCGATGACCCGGTTCGCGGACTTGCT
 TCAGGCTGGCCACCCCGTCTTGTTCATCATCTGTGTTGAGTAACCATGGGGAGGAAG
 CTGGACCTGTCTGGTTTGACTGATGATGAAACAGAGCATGTTCTTCAGGTGGTTCAAAGA
 GACTTCAATCTTCGAAAAAAGAAGAAGACGACTAAGTGAGCTGAAGCAGAAGCTGGAT
 GAGGAAGGCAGCAAGTGCAGCATCTCTCGAAGCACCAGCAGTTTGTGGAGCACTGCTGC
 ATGCGCTGCTGCTCGCCCTTACCTTCTCGTCAACACCAAGCGCCAGTGTGGAGATTGC
 AAATTCATGTCTGCAAGAGCTGCTGCTCTACCAAAGCAGAAAAGCCTGGGTCTGCTG
 CGTCTGCCAGCAAGCGAGGCTTCTGAGGCCATCTCTGGAATNTTCTACAATATGTGAA
 AAGCCGTTTTCAGCGCTTGGCGTGGCAAGTTCTGGAGAACCTGTACAGGAAGCACCCTG
 GGAGATGGCGCGTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015460 unedited
 NGGAAATACTATGNACCGCGCCGATTCNAGNATCGAGTTTTTTTTTTTTTTTTTTTTATTT
 TCATAAATGACTTTTACTTATCATTCTCTTGACAGTAATTCTTGCAATGTGCATATAA
 CATGAAGGGAAGCATAACTTTTCAGAAGTCATCAAAGATATTATCCTGTTGCCTCATTTT
 CTTAAACCATTAAATATTTTCATTTATAAAAAATTAATCTAAATATAAATATTGACACTA
 AAGATCAAAATCACTTGATGACAAAATAATTTCTTCTGGAATAAACATATGCTTATGGT
 TTTAATAGTAAATTAATCTTTGCACTTATTTGGCACAAAGAAACCTTTATAAAAGTTC
 AGATGCCACACAGCAGGCTGCTGCTGCTTCTTTTTGTTGTTTTTTGTTTGGCAAGGC
 TTACACAGTACACATTTTGTCAAAGAAAACCTGAATATTTTTAACACTGTAACACAACAA
 TAGTTGCTTTTTCATGCCTCTTAAAGAAAACATTCTATTCGGAAGTCAAATCTTTTTGTT
 GTGTTCTTAAATTTGTTTTGTTGTTGTTGATTGCTTTGAATCACACCAACGGAACAAA
 AAGCCAAGATTTACTTATTTCAAAGGAGTCATTTCTGTTAGATGACACATACACACAA
 CAGCAAGGAGTACTGGGAGAATAATGTAGACCCCTCANGAGTGGATCATAGCACACAA
 GTTAGCAGAAAATCAGATCTTNAATGCCCATAGCAGCAAAAATAACGTAGAGGGTTGAAA
 ACACCGATTAGGCTTTTGGGAGCTTTCCATCATAATAGCTAAAAGGGTGGCTTTGGCAAA
 TAACTCTGCTTCCGTTTTAACTGAATATGGGAAACCCATTGATAAGGTGGCCTAAG
 ATTCAAAGAA

Restriction Sites:

NotI-NotI

ACCN:

NM_015460

Insert Size:

5500 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_015460.2 , NP_056275.2
RefSeq Size:	4884 bp
RefSeq ORF:	2580 bp
Locus ID:	25924
UniProt ID:	Q8NFW9
Cytogenetics:	3p22.1
Domains:	MOBP
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Both variants 1 and 2 encode isoform a.</p>