

Product datasheet for **MC222202**

Myrip (NM_144557) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myrip (NM_144557) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myrip
Synonyms:	A230081N12Rik; Slac2-c; Slac2c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222202 representing NM_144557
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAGGAAGCTGGACCTGTCCGGTCTGACCGACGATGAGACCGAGCATGTTCTCCAAGTGGTGCAGA
 GAGACTTCAATCTTCGCAAAAAGGAGGAGGACCGCTAAGTGAGATGAAGCAGAGGCTGGCCGAGGAGAA
 CAGCAAGTGCAGCATCCTCTCGAAGCACCAGAAGTTCGTGGAGCGCTGCTGCATGCGGTGCTGCTCGCCC
 TTCACCTTCTGGTCAACGCCAGGCGCCGCTGCGGGGAATGCAAGTTCAGCGTCTGCAAGAGCTGCTGCT
 CCTACCAGAAGCAGGAAAGCTATGGGTTTGTGTGTCTGCCAGCAAGCCAGGCTTCTGAGGACACAGTC
 TCTGGAGTGGTTCTACAACAATGTGAAAAGCCGCTTCAAGCGCTTGGCAGTGCCAAGGCTCTGAAGAAC
 CTGTACAGAAAACACCGTCTGGAGAGCGGTGCCTGCTTCGACATCCTAGGAGGAGGATTGTTTGAACCAA
 ACCTGGAGAATGAAGGGAGCATTTCAGGAAGTACTCCACGTTCTACAGGCAGTCAGAAGGGCACAGCAT
 GATGGACACCTTGGCTGTGGCCCTACGAGTGGCAGAAGAGGCCATCGAGGAGGCCATTTCCAAGCAGAA
 TCCCATGGGGACAGCCTGGACAAAACAGAACGAGGCCAGCTACCTGCGGGACCACAAGCAAGAGCTAACTG
 AGGAGCTGGCCGGCACCATCCTGCAGAGGATTATAAGAAAAGCAGAAGGATAAAGCTGAGCTGCGAGCTGA
 GGAGGAGGAGCCAGAGTGGCCACGGTCCCAGAGTGGCAGTGTGAAGGCCAGGGGTGAGGGGACCACGGCC
 CCTCCAGGACGACAAAAGCAGTGCACCTTCAGGCGGTCCCAGTCTGCATTCTCCTTCACTATGGAAG
 ATGCTCTGAAGTCTGGTTCAGCAGAGGCTGCACCAAGGTACCCAAGGACCGCGCCACGCTGCTGTGGA
 GGAGGCCGCTCTGCCAGCTGGAGGAGCATGGATGGACTGGACGGAACAAACCTGGCCCCACTTTTGCA
 AGCCCCGATGGAACTGGATGACCTTGAAGGAGGTAGTAGACAGCCCCAACCCGCTGCTGACCAAAC
 CGAAGAGTGGGACCTTTCAGGCCCTGGAGTGGCGTCCAGTGTGACGCTCGCTATGATGAGATCGGTTT
 CGACAGTGAGGAAGACTTTGATTACAGCGAAGCCTTGAGTAAGCTGTGCCACCGTCCCAGAGCAGGCTC
 AAGCAACCCAGCCTCAGCCTACACAGGCCAGAGTTCTGGCCAAGTCCCTTAGCCACCTCTCCCTCAA
 ACCCTGAGGCCATGTGCTCGGATTAGAGACATCTCCACCAGCTCATCTCGGGAAGCTGGCTGCCGGGC
 TAAGCTGTCTGGCTGCAGAGGAAGGCCCAAGAACCCCGCAGTGGAGAAGATGCCCTCCAGGGAGAA
 CTGGACGTCAATTTCAACCCTCAGGCAGCCGGTGGAGAGACTTCCGACAGTAGCGATCCAGAGGAGACCC
 TCCGCACTGCAGAGCGCCGGCCAGGAGGTGGAGAAGGGCACGAGTGGGCCCGAGGAGTCAAACAGGGG
 TCTGCCTTCACTGGTGCCTCCACGGGCACTGCACACGGCTCAGGTGTGAGACAACGTGTGAGAGACT
 GACATCAGCAACGAGACTCAGAATTCCTCGTCCAGCAGGACTCAGTAGAGGAGAAGCTGAGAAAATAGAC
 TGTATGAGTTAGCCATGAAAATGAGCGAAAAGGAGACTTCTTCTGGGGAGGACCAGGAGTCCGAGTCCAA
 GGCGGAACCTAAGAACCAGAAGGGAAGTCTCTTCTGAGGAGAAACAACAGGGTGTCCAGGAGGAGCTG
 AAGAAGAAGTGTCTGCTGTTTCTCTCTGCAACATCTCCACAGAAGTCTGAAGGTATCAATGCTACCG
 AGGAGTTGATCGCAGAGTCTGCAGGGCCCTGGGAGATCCCCCAGTCTCCACTGACAGAGAAAACGGGAT
 GTTTCCTCTTGGGACAGACCAAGTGGAGACTGGACAAGCAGCTGACGTCCTTGAAGAAAACGTGTACCTG
 GCAGCGGGCACCGTGTATGGCTGGAGGGCCAGCTGAGTGAAGACGCTGCCCCGCTGCATCCACA
 GCAGCACTGGCGAGACGGAGCTGGCAGACCTGGAGGACCAGGTGGCTGCAGCTGCAGCCCAGGTGCCA
 CGCCGAACCTCCAGATCTCGGACATCGAGAGCCGATTTTCAGCCCTGACCATCGCTGGCTTAAACATAGCA
 CCGTGTGTGCGTCTCACACGAAGACGGGACCAGAAGCAAAGGAGCCAGGTACAAACTATAGACACGTCGA
 GGCAGCAGAGGAGGAAAATGCCTGCCCTCCTGTGAAAGCTGAAAAAATCGAAGCATCTTCCGTGACCCC
 CATTAAAGACATTAACCGCAACTTCTTCTCCTCAAGGCTCTCCACAAAACAGGCCACAGCAAGTACCGGT
 GACACCAAGGACTTGATGGAGCCTGATCTGGAGTCAAGTGTGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_144557
Insert Size: 2571 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_144557.5 , NP_653140.1
RefSeq Size:	4762 bp
RefSeq ORF:	2571 bp
Locus ID:	245049
UniProt ID:	Q8K3I4
Cytogenetics:	9 F4
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.[UniProtKB/Swiss-Prot Function]