

## Product datasheet for **MG216068**

### Myrip (NM\_144557) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Myrip
<b>Synonyms:</b>	A230081N12Rik; Slac2-c; Slac2c
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG216068 representing NM\_144557  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGGAGGAAGCTGGACCTGTGGGTCTGACCGACGATGAGACCGAGCATGTTCTCCAAGTGGTGCAGA  
GAGACTTCAATCTTCGCAAAAAGGAGGAGGACCGCTAAGTGAGATGAAGCAGAGGCTGGCCGAGGAGAA  
CAGCAAGTGCAGCATCCTCTCGAAGCACCAGAAGTTCGTGGAGCGCTGCTGCATGCGGTGCTGCTCGCCC  
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CCTACCAGAAGCAGGAGAAGCTATGGGTTTGTGTGTCTGCCAGCAAGCCAGGCTTCTGAGGACACAGTC  
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CTGTACAGAAAACACCGTCTGGAGAGCGGTGCCTGCTTCGACATCCTAGGAGGAGGATTGTTTGAACCAA  
ACCTGGAGAATGAAGGGAGCATTTCCAGGAAGTACTCCACGTTCTACAGGCAGTCAGAAGGGCACAGCAT  
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TCCCATGGGGACAGCCTGGACAACAGAACGAGGCCAGCTACTGCGGGACCACAAGCAAGAGCTAACTG  
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AAGCAACCCAGCCTCAGCCTACACAGGCCAGAGTCTGGCCAAGGTCCTTAGCCACCTCTCCCTCAA  
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TCCGCACTGCAGAGCGCCGGCCAGGAGGTGGAGAAGGGCACGAGTGGGCCCGAGGAGTCAAACAGGGG  
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GACATCAGCAACGAGACTCAGAATTCCTGGTCCAGCACGGACTCAGTAGAGGAGAAGCTGAGAAAATAGAC  
TGATAGTGTAGCCATGAAAATGAGCAAAAAGGAGACTTCTTCTGGGGAGGACCAGGAGTCCGAGTCCAA  
GGCGGAACCTAAGAACCAGAAGGGAAGTCTCTTCTGAGGAGAACAACAGGGTGTCCAGGAGGAGCTG  
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GACACCAAGGACTTGATGGAGCCTGATCTGGAGTCAGCTGTGATGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

## Protein Sequence:

&gt;MG216068 representing NM\_144557

Red=Cloning site Green=Tags(s)

MGRKLDL SGLT DDETEHVLQVVQRDFNLRKKEEDRLSEMKQRLAEENSKCSILSKHQKFVERCCMRCCSP  
FTFLVNARRRCGECKFSVCKSCCSYQKHEKLWCCVCQARLLRTQSLEWFYNNVKSFRKFRFGSAKVLKN  
LYRKHRL ESGACFDILGGGLFEPNLENEGSI SGSDSTFYRQSEGHSMMDTLAVALRVAEEAIEEAISKAE  
SHGDSLDKQNEASYLRDHKQELTEELAGTILQRIIRKQKDKAELRAEEEEPEWPRSQSGSVKARGEGTTA  
PPGRHKARATFRRSQSAFSFTMEDALKSGSAEAPRSPKDRAQRLLEEAALPSWRSM DGLDGTNLAPLLQ  
SPDGNWMTLKDGSRQPPTRL LTKPKSGTFQALEVASSVTSAYDEIGSDSEEDFDYSEALSKL CPPSQSRL  
KQPQPPTQAQSSGQGLATSPSNPEAMCSDSETSSSTSSREAGCRAKLSWLQRKAPKNPAVEKMP LQGE  
LDVNFNPQAAGGETSDSSDPEETLRTAERRARRRRARVGP EESNRGLPSG AHPRALHTAQVSDNVSET  
DISNETQNSRSSTDSVEEKLNRNLYELAMKMSKKETSSGEDQESKAEPKNQKGSLSSEENNQGVQEEL  
KKKCSAVSLCNI STEVLKVINATEELIAESAGPWEIPPVSTDRENGMFPLGTDQVRLDKQLTSLEENVYL  
AAGTVYGLEQLSELEDAARCIHSSTGETELADLEDQVAAAAAQVHHAELQISDI ESRI SALT IAGLNIA  
PCVRLTRRRDQKQRSQVQTIDTSRQQRRKLPAPPVKA EKIEASSVTPIKTFNRN FLLQGSSTNRP TASTG  
DTKDLMEPDLESAVMY

TRTRPLE - GFP Tag - V

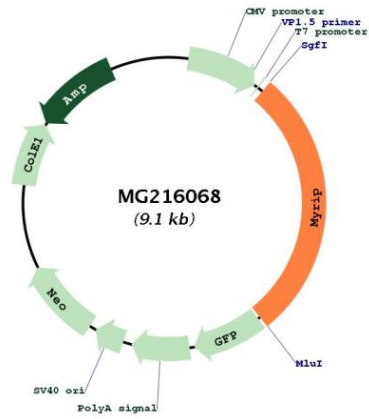
## Restriction Sites:

Sgfl-MluI



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_144557.5</a> , <a href="#">NP_653140.1</a>
<b>RefSeq Size:</b>	4762 bp
<b>RefSeq ORF:</b>	2571 bp
<b>Locus ID:</b>	245049
<b>UniProt ID:</b>	<a href="#">Q8K3I4</a>
<b>Cytogenetics:</b>	9 F4
<b>Gene Summary:</b>	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]

Product images:



Circular map for MG216068