

Product datasheet for SC100915

MYZAP (NM_152451) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYZAP (NM_152451) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYZAP
Synonyms:	GCOM1; Gup; MYOZAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100915 sequence for NM_152451 edited (data generated by NextGen Sequencing)

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ATGCTGCGCTCCACGTCCACGGTACCCTGCTCTCGGGCGGCCGCCAGGACGCCCGGG
GCGCCCAGCAGGAGGGCAAATGTTTGCAGACTACGGCTGACCGTACCTCCTGAGAGTCCA
GTTCTGAGCAATGTGAAAAGAAGATTGAGAGAAAAGAGCAGCTTCTTGACCTGAGCAAT
GGAGAACCTACCAGGAACTTCTCAGGGTGTGTTTATGGTGTGGTGCAGGATCAGAT
CAAAATCAGCAGAAAAGAAATGGTGGTGTATGGTGGTCCACCAGTCAGCTGAAAGAAGAG
ATGAACTACATCAAAGATGTGAGAGCCACTTTGGAAAAGGTGAGAAAAGCAATGTATGGA
GACTATGATGAGATGAGACAGAAGATTCGACAGCTCACCCAGGAACTATCAGTTTCCCAT
GCTCAGCAGGAGTATCTGGAGAATCACATCCAAACCCAGTCGTCTGCCCTGGATCGTTTT
AATGCCATGAACTCAGCCTTGGCGTCAGATTCCATTGGCCTGCAGAAAACCTCGTGGAT
GTGACTTTGGAAAACAGCAACATTAAGGATCAAATCAGAAATCTGCAGCAGACGTATGAA
GCATCCATGGACAAGCTGAGGGAAAAGCAGAGGCAGTTGGAGGTAGCGCAAGTTGAAAAC
CAGCTGCTAAAAATGAAGGTGGAATCGTCCCAAGAAGCCAATGCTGAGGTGATGCGAGAG
ATGACCAAGAAGCTGTACAGCCAGTATGAGGAGAAGCTGCAGGAAGAACAGAGGAAGCAC
AGTGCTGAGAAGGAGGCTCTTTTGAAGAAACCAATAGTTTTCTGAAAGCGATTGAAGAA
GCCAATAAAAAGATGCAAGCAGCAGAGATCAGCCTAGAGGAGAAAAGACCAGAGGATCGGG
GAGCTGGACAGGCTGATTGAGCGCATGGAAAAGGAACGTCATCAACTGCAACTTCAACTC
TAGAACATGAAACAGAAATGTCTGGGGAGTTAACTGATTCTGACAAGGAAAGGTATCAG
CAGTTGGAGGAGCATCAGCCAGCCTCCGTGAGCGGATCAGACACCTAGATGACATGGTG
CATTGCCAGCAGAAGAAAGTCAAGCAGATGGTTCGAGGAGAATAATGAACTACAAAGCAGG
TTGGACTATTTAACAGAAAACCCAGGCCAAGACCGAAGTGGAAAACAGAGAGATAGGAGTG
GGCTGTGATCTTCTACCCAGCCAAACAGGCAGGACTCGTGAATTTGTGATGCCTTCTAGG
AACTACACCCCATACACAAGAGTCTGGAGTTAACCATGAAGAAAACCTGACTTAG

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Clone variation with respect to NM_152451.6
504 a=>g;525 a=>g;1173 t=>c



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152451 unedited NNNGGTCGCCATTTGTATACGACTCCTATAGGGCGGCCGCGATTCCGGCACCAGGTCCCGC GTCGCCCCCGCGCAGGGCGGGCCCCGCACGCTTATCCTGCCCGGGAGGAACGCCGGCGTC CAGCCCCGTACCGGCCCGCGCTGCGGGATGCTGCGCTCCACGTCCACGGTCACCCGTGCTC TCGGGCGCGCCGCCAGGACGCCGGGGCGCCAGCAGGAGGGCAAAATGTTTGCAGACTA CGGCTGACCGTACCTCCTGAGAGTCCAGTTCCTGAGCAATGTAAAAGAAGATTGAGAGA AAAGAGCAGCTTCTTGACCTGAGCAATGGAGAACCTACCAGGAACTTCCTCAGGGTGTT GTTTATGGTGTGGTGCAGAGATCAGATCAAAATCAGCAGAAAGAAATGGTGGTGTATGGG TGGTCCACCAGTCAGCTGAAAGAAGAGATGAACTACATCAAAGATGTGAGAGCCACTTTG GAAAAGGTGAGAAAGCGAATGTATGGAGACTATGATGAGATGAGACAGAAGATTCGACAG CTCACCCAGGAACTATCAGTTTCCCATGCTCAGCAGGAGTATCTGGAGAATCACATCCAA ACCCAGTCGTCTGCCCTGGATCGTTTTAATGCCATGAACTCAGCCTTGCGTCAGATTCC ATTGGCCTGCAGAAAACCCTCGTGGATGTGACTTTGAAAAACAGCAACATTAAGGATCAA ATCAGAAATCTGCAGCAGACGTATGAAGCATCCATGGACAAGCTGAGGGAAAAGCANAGG CAGTTGGAGGTAGCGCAAGTNGAAAACCAGCTGCTANAATGAAGGTGGNATCGTNCCAAG AGCCCATGCTGAGTGATGCGAGAGATGACCANAAGCTGTACAGCCAGTATGAGGAGAGCT GCAGGAAGACAGAGGAGCACAGTCTGAGAAGGAGGCTCTTTA
Restriction Sites:	NotI-NotI
ACCN:	NM_152451
Insert Size:	2400 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_152451.1 , NP_689664.1
RefSeq Size:	2356 bp
RefSeq ORF:	1401 bp
Locus ID:	100820829
UniProt ID:	P0CAP1
Cytogenetics:	15q21.3

Gene Summary:

This gene encodes a protein that is abundantly expressed in cardiac tissue. The encoded protein localizes to intercalated discs in cardiomyocytes and functions as an activator of Rho-dependent serum-response factor signaling. Alternative splicing results in multiple transcript variants. Readthrough transcription also exists between this gene and the neighboring downstream gene POLR2M (polymerase (RNA) II (DNA directed) polypeptide M) and is represented with GeneID: 145781. [provided by RefSeq, Mar 2014]

Transcript Variant: This variant (2, also known as Gup2) lacks an in-frame exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1.