

Product datasheet for **RG222913**

GCOM1 (NM_001018091) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCOM1 (NM_001018091) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GCOM1
Synonyms:	gcom; Gcom2; GRINL1A; MYZAP; MYZAP-POLR2M
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG222913 representing NM_001018091
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCGCTCCACGTCCACGGTCACCCTGCTCTCGGGCGGCCGCCAGGACGCCCGGGCGCCAGCA
 GGAGGGCAAATGTTTGCAGACTACGGCTGACCGTACCTCCTGAGAGTCCAGTTCTGAGCAATGTGAAAA
 GAAGATTGAGAGAAAAGAGCAGCTTCTTACCTGAGCAATGGAGAACCCTACCAGGAACTTCTCAGGGT
 GTTGTATTGGTGTGGTGCAGATCAGATCAAAATCAGCAGAAAAGAAATGGTGGTGTATGGGTGGTCCA
 CCAGTCAGCTGAAAGAAGAGATGAACTACATCAAAGATGTGAGAGCCACTTTGAAAAGGTGAGAAAAGCG
 AATGTATGGAGACTATGATGAGATGAGACAGAAGATTCGACAGCTCACCCAGGAACTATCAGTTTCCCAT
 GCTCAGCAGGAGTATCTGGAGAATCACATCCAAACCCAGTCGTCTGCCCTGGATCGTTTTAATGCCATGA
 ACTCAGCCTTGGCATCAGATTCCATTGGCCTGCAAAAAACCTCGTGGATGTGACTTTGAAAACAGCAA
 CATTAAGGATCAAATCAGAAATCTGCAGCAGACGTATGAAGCATCCATGGACAAGCTGAGGGAAAAGCAG
 AGGCAGTTGGAGGTAGCGCAAGTTGAAAACCAGCTGCTAAAAATGAAGGTGGAATCGTCCCAAGAAGCCA
 ATGCTGAGGTGATGCGAGAGATGACCAAGAAGCTGTACAGCCAGTATGAGGAGAAGCTGCAGGAAGAACA
 GAGGAAGCACAGTCTGAGAAGGAGGCTCTTTGGAAGAAACCAATAGTTTTCTGAAAGCGATTGAAGAA
 GCCAATAAAAAGATGCAAGCAGCAGAGATCAGCCTAGAGGAGAAAAGACCAGAGGATCGGGGAGCTGGACA
 GGCTGATTGAGCGCATGGAAAAGGAACGTCATCAACTGCAACTTCAACTCCTAGAACATGAAACAGAAAT
 GTCTGGGAGTTAACTGATTCTGACAAGGAAAGGTATCAGCAGTTGGAGGAGGCATCAGCCAGCCTCCGT
 GAGCGGATCAGACACCTAGATGACATGGTGCATTGCCAGCAGAAGAAAGTCAAGCAGATGGTTCGAGGAGA
 TTGAATCATTAAAGAAAAGTTGCAACAGAAAACAGCTCTTAATACTGCAGCTTTTAGAAAAGATATCTTT
 CTTAGAAGGAGAGAATAATGAACTACAAAGCAGGTTGGACTATTTAACAGAAACCCAGGCCAAGACTGAA
 GTGAAAACAGAGAGATAGGAGTGGGCTGTGATCTTCTACCCAGGAGATGCAAGCAAAGCTCGCAGCGCA
 AAAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG222913 representing NM_001018091
 Red=Cloning site Green=Tags(s)

MLRSTSTVTLSSGGAARTPGAPSRANVCRLRLTVPPEPVPPEQCEKKIERKEQLLDLSNGEPTRKLPQG
 VVYGVVRRSDQNQQKEMVYVWSTSQLKEEMNYIKDVRATLEKVRKRMVGDYDEMQRKIRQLTQELSVSH
 AQQEYLENHIQTQSSALDRFNAMNSALASDSIGLQKTLVDVTLENSNIKDQIRNLQQTYEASMDKLREKQ
 RQLEVAQVENQLLKMVVESSQEAANAEMREMTKKLYSQYEEKLQEEQRKHSAAEKEALLEETNSFLKAIIE
 ANKKMQAAEISLEEKDQRIGELDRLIERMEKERHQLQLLLEHEHEMSGELTDSKERYQQLEEASASLR
 ERIRHLDDMVHCQQKVKQMVVEIESLKKKLQKQLLILQLLEKISFLEGENNELQSRLDYLTETQAKTE
 VETREIGVGDLLPRRCKQSSQRKN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<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_001018091.4
RefSeq Size:	4459 bp
RefSeq ORF:	1338 bp
Locus ID:	145781
UniProt ID:	P0CAP1
Cytogenetics:	15q21.3
Protein Families:	Druggable Genome
Gene Summary:	<p>This locus represents naturally occurring readthrough transcription between the neighboring MYZAP (myocardial zonula adherens protein) and POLR2M (polymerase (RNA) II (DNA directed) polypeptide M) genes on chromosome 15. Alternative splicing results in multiple readthrough transcript variants. Readthrough variants may encode proteins that share sequence identity with the upstream gene product or with both the upstream and downstream gene products. Some readthrough transcript variants are also expected to be candidates for nonsense-mediated decay (NMD). [provided by RefSeq, Oct 2013]</p>