

Product datasheet for **SC337413**

GCOM1 (NM_001285900) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCOM1 (NM_001285900) Human Untagged Clone
Tag:	Tag Free
Symbol:	GCOM1
Synonyms:	gcom; Gcom2; GRINL1A; MYZAP; MYZAP-POLR2M
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001285900, the custom clone sequence may differ by one or more nucleotides

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ATGCTGCGCTCCACGTCCACGGTACCCTGCTCTCGGGCGGCGCCGACAGGACGCCCGGGGCGCCAGCA
GGAGGGCAAATGTTTGCAGACTACGGCTGACCGTACCTCCTGAGAGTCCAGTTCCTGAGCAATGTAAAA
GAAGATTGAGAGAAAAGAGCAGCTTCTTGACCTGAGCAATGGAGAACCTACCAGGAACTCCTCAGGGT
GTTGTTTATGGTGTGGTGCAGATCAGATCAAAATCAGCAGAAAAGAAATGGTGGTGTATGGGTGGTCCA
CCAGTCAGCTGAAAGAAGAGATGAACTACATCAAAGATGTGAGAGCCACTTTGAAAAAGGTGAGAAAAGCG
AATGTATGGAGACTATGATGAGATGAGACAGAAGATTCGACAGCTCACCCAGGAACTATCAGTTTCCCAT
GCTCAGCAGGAGTATCTGGAGAATCACATCCAAACCCAGTCGTCTGCCCTGGATCGTTTTAATGCCATGA
ACTCAGCCTTGGCATCAGATTCCATTGGCCTGCAGAAAACCTCGTGGATGTGACTTTGAAAAACAGCAA
CATTAAGGATCAAATCAGAAATCTGCAGCAGACGTATGAAGCATCCATGGACAAGCTGAGGGAAAAGCAG
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ATGCTGAGGTGATGCGAGAGATGACCAAGAAGCTGTACAGCCAGTATGAGGAGAAGCTGCAGGAAGAACA
GAGGAAGCACAGTGCTGAGAAGGAGGCTCTTTTGGAAAGAAACCAATAGTTTTCTGAAAGCGATTGAAGAA
GCCAATAAAAAGATGCAAGCAGCAGAGATCAGCCTAGAGGAGAAAAGACCAGAGGATCGGGGAGCTGGACA
GGCTGATTGAGCGCATGGAAAAGGAACGTCACTCAACTGCAACTTCAACTCCTAGAACATGAAACAGAAAAT
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TGAAGAGACTTCAGAGGTTGAGTACACAGTGAATAAGGGCCAGCTTCCAGCAATAGAGACAGGGTACCA
CCTTCATCTGAAGCTAGTGAGCATCACCCGCGGCATCGTGTTCAAGTCAAGCGGAAGATACTTCCAGCA
GCTTTGACAACCTGTTTATTGACAGGTTACAGAGGATCACCATTGCGGACCAAGGTGAACAACAGTCAGA
AGAAAACGCAAGTACTAAGAACTTGACAGGCCTTCCAGTGGGACTGAGAAGAAACCTCATTACATGGAA
GTGCTAGAAAATGCGAGCCAAAACCCAGTGCCCAAGCTGCGTAAATTTAAACCAATGTGTTACCTTTTC
GACAAAATGATTCATCTAGTCATTGCCAGAAGAGTGGGTCTCCTATTTCCCTCAGAAGAGCGGCGGCAG
GGATAAGCAGCATCTTGATGACATCACAGCAGCTCGGCTTCTACCACTTACCATATGCCACGCAGCTG
CTCTCCATAGAAGAAATCCTTGGCACTTCAGAAACAGCAGAAACAGAAATTATGAGGAGATGCAAGCAAAGC
TCGCAGCGCAAAAATTAGCTGAAAGACTGAATATTTAAATGCGGAGTTATAATCCAGAAGGGGAGTCTTC
AGGGAGATACCGAGAAGTAAAGGATGAAGATGACGATTGGTCCTCTGATGAATTCGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001285900

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:

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_001285900.3](#), [NP_001272829.1](#)

RefSeq Size: 5307 bp

RefSeq ORF: 2298 bp

Locus ID: 145781

Cytogenetics: 15q21.3

Protein Families: Druggable Genome

Gene Summary: 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]
Transcript Variant: This variant (14, also known as Gcom15B) contains an alternate in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (3) is longer than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.