

Product datasheet for SC121941

GCOM1 (POLR2M) (NM_015532) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCOM1 (POLR2M) (NM_015532) Human Untagged Clone
Tag:	Tag Free
Symbol:	POLR2M
Synonyms:	GCOM1; Gdown; Gdown1; GRINL1A
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC121941 sequence for NM_015532 edited (data generated by NextGen Sequencing)

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ATGTGCTCGCTGCCCGCGGCTTCGAGCCCAAGCTCCCGAGGACTTGCGCAGCGGAGT
TTGGTGGAGCTGCGGAAATGTTGAAGCGCCAGGAGAGACTTTTGCACAACGAAAAATTC
ATTTGCAAATTGCCCGACAAAGGTAAAAAGATCTTTGACTCTTTTGCCAAAGTAAAGCT
GCTATTGCAGAATGTGAAGAAGTTAGAAGAAAAAGTGAAGTGTAAACCTGTTAGTTTA
GACTGTAAGCTAAGGCAAAAAGCAATTGCAGAAGTTGATGTGGGTACAGATAAGGCCAG
AATTCTGACCCGATACTTGATACTTCATCACTAGTTTCTGGATGTTCTCTGTAGATAAC
ATCAAGTCATCTCAAACCTCACAAAACCCAGGACTTGGACGTCTACTCTTGAAGGTGAT
GAAGAGACTTCAGAGTTGAGTACACAGTGAATAAGGGCCAGCTTCCAGCAATAGAGAC
AGGGTACCACCTTCATCTGAAGCTAGTGAGCATCACCCGCGGCATCGTGTTCGAAGTCAA
GCGGAAGATACTTCCAGCAGCTTTGACAACCTGTTTATTGACAGGTTACAGAGGATCACC
ATTGCGGACCAAGGTGAACAACAGTCAGAAGAAAAACGCAAGTACTAAGAAGTTGACAGGC
CTTTCCAGTGGGACTGAGAAGAAACCTCATTACATGGAAGTGCTAGAAATGCGAGCCAAA
AACCCAGTGCCCCAGCTGCGTAAATTTAAAACCAATGTGTTACCTTTTCGACAAAATGAT
TCATCTAGTCATTGCCAGAAGAGTGGGTCTCCTATTTCTCAGAAGAGCGGCGGCGCAGG
GATAAGCAGCATCTTGATGACATCACAGCAGCTCGGCTTCTACCACTTCCACATATGCC
ACGCAGCTGCTCTCCATAGAAGAATCCTTGGCACTTCAGAAACAGCAGAACAGAATTAT
GAGGAGATGCAAGCAAAGCTCGCAGCGCAAAAATTAGCTGAAAGACTGAATATTTAAATG
CGGAGTTATAATCCAGAAGGGGAGTCTTCAGGGAGATACCGAGAAGTAAGGGATGAAGAT
GACGATTGGTCTCTGATGAATTCTGA
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Clone variation with respect to NM_015532.3
183 c=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_015532 unedited GACTATTTTGTAAACGACTCACTATAGGGGGCGGCCGNAATTCGGCACGAGGGCGAC TCCCGCTCGTGCCCCGGAGTCACCGCCGTCCGCGGATCCGGCGCTAGTAGCGGGGCTGC CGAGGAAGCCGAGTGCCCGCCGCGCACGCCTCAGCCCGCGCAGAATGTGCTCGCTGC CCC CGGGCTTCGAGCCCCAAGCTCCCGAGGACTTGGCGCAGCGGAGTTTGGTGGAGCTGC GGGAAATGTTGAAGCGCCAGGAGAGACTTTTGGCAACGAAAAATTCATTTGCAACCTGC CCGCAAAAGGTA AAAAGATCTTTGACTCTTTTGCCAACTGAAAGCTGCTATTGCAGAAT GTGAAGAAGTTAGAAGAAAAAGTGAAGTGTAAACCTGTAGTTTAGACTGTAAGCTAA GGCAAAAAGCAATTGCAGAAAGTTGATGTGGGTACAGATAAGGCCCAAGAAATCTGACCCGA TACTTGATACTTCATCACTAGTTCCTGGATGTTCTCTGTAGATAACATCAAGTCATCTC AAACCTCACAAAACAGGGACTTGGACGCTCTACTCTTGAAGGTGATGAAGAGACTTCAG AGGTTGAGTACACAGTGAATAAGGGCCAGCTCCAGCAATAGAGACAGGGTACCACCTT CATCTGAAGCTAGTGAGCATACCCCGGCATCGTGTTCAGTCAAGCGGNAGATACTTC CAGCAGCTTTGACCACCTGTTTATTGACAGGTTACAGAGGATCACCATTTGCGGACCAAG GTGAACAACAGTCAGAAAGAAACGCAAGTACCTAAGACCTTGACGCCCCTTTCACGTG GGACTGAGAAGGAACCTNATTACCTGGAAGATGCTAGAAATGCGAGCCAAAACAGTGC CCCCACTGCGTAAATTAACCAAGGTAACCTTTTGAACAAGATTATTTATCCTTTGCC GAGAGN
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015532 unedited TTCTATGGACCGCGCCGCTTTCTAGGATCGAGTTTTTTTTTTTTTTTTTATAGTATT ATTTTATTTTATATAAGTCAAAAGTGAGCAAAATGTAACCATATTGTTATACATAA CTGGTAAATAATTCTTAAAAGGACAGAGGGAGAATTACCATACGTCAGGATAGTTAGCT CTGGGGAAACAGTGAGTGTCAAGAGGGGACACACAGAGATTTTGGAGTGTGGCAAGAC CTCCTCTGCATCTAGTTTGTGATTACACAGCTGTTGCTTTACCCATTAAGCTCTGTTTTA AGTACTTATTTGTAAGTTATATTTCAAAAATTTAAAAGAACAAGGGAGAACCTGTGTAC TACCAATATTAACACCAATTAAGCGATAATTATTGACAGTGTAGAAAAACCCAGAAG GCCAGAAATTGGCCTAAGACACAAAAGACACATAAGAATTTAATATTCTATAAAAATAG CATTACTAATCAGAGGGGAAATGGTGGTTTCACATACTGAACCAATTGGTAAATCTTCG AAATAAAATCAAATCCCTACCTTATATAATATAACCAATACATTTGAGATGGATAAAA ATTTCTTTTACCCCAAACCTGTACTGATTTAGTTAATGTATATAAACAATTTAAAT TCCTTTTAAAGATAGGTGTAAGTGAATAAGAAAATACTAGAAGAAAAAAGGACATT TATCCATTCTGGATTACAAAAATACTTTCAAGCACATACACAAAGGTAGACTCCCTAAA GAAACAACCTATACTGAAATACACAACTATGTTAATGACANATAGGCTAAAAAAGTAC CATTATGACAAAAGACGACATTCTTAGAACTAATGCCAAAAAGGCAATTCTCAGCAGCAC CGAAAAATTGATGAGCATCTAAAATGATTACCTGCCAT
Restriction Sites:	NotI-NotI
ACCN:	NM_015532
Insert Size:	4300 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).
RefSeq:	NM_015532.3 , NP_056347.1
RefSeq Size:	4139 bp
RefSeq ORF:	1107 bp
Locus ID:	81488

UniProt ID: [Q6EEV4](#), [POCAP2](#)

Protein Families: Druggable Genome, Ion Channels: Other

Gene Summary: This gene encodes a subunit of a specific form of RNA polymerase II termed Pol II(G). The encoded protein may act as a negative regulator of transcriptional activation by the Mediator complex. Alternative splicing results in multiple transcript variants. There is a pseudogene for this gene on chromosome 4. Readthrough transcription between this gene and the neighboring upstream gene MYZAP (myocardial zonula adherens protein) is represented with GeneID 145781. [provided by RefSeq, Oct 2013]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).