

Product datasheet for RC219621

GCOM1 (POLR2M) (NM_015532) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCOM1 (POLR2M) (NM_015532) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GCOM1
Synonyms:	GCOM1; Gdown; Gdown1; GRINL1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219621 representing NM_015532 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTGCTCGTGCCTCCCGGGCTTCGAGCCCAAGCTCCCGAGGACTTGGCGCAGCGGAGTTTGGTGGAGC
TGCGGGAAATGTTGAAGCGCCAGGAGAGACTTTTGCACAACGAAAAATTCATTTGCAAATGCCCGACAA
AGGTAAAAAGATCTTTGACTCTTTTGCCTAACTGAAAGCTGCTATTGCAGAATGTGAAGAAGTTAGAAGA
AAAAGTGAAGTGTAAACCTGTTAGTTTACAGTGTAAAGCAAAAGCAATTCAGAAGTTGATG
TGGGTACAGATAAGGCCAGAATTCTGACCCGATCTTGATACTTCATCACTAGTTTCTGGATGTTCTCTC
TGTAGATAACATCAAGTCATCTCAAACCTCACAAAACCGAGGACTTGGAGTCTCTACTCTTGAAGGTGAT
GAAGAGACTTCAGAGGTTGAGTACACAGTGAATAAGGGCCAGCTTCCAGCAATAGAGACAGGGTACCAC
CTTCATCTGAAGCTAGTGAAGTACACCCCGGCATCGTGTTCAGTCAAGCGGAAGATACTTCCAGCAG
CTTTGACAACCTGTTTATTGACAGGTTACAGAGGATCACCATTGCGGACCAAGGTGAACAACAGTCAGAA
GAAAACGCAAGTACTAAGAACTTGACAGGCCTTCCAGTGGGACTGAGAAGAACTCATTACATGGAAG
TGCTAGAAATGCGAGCCAAAACCCAGTGCCCGAGCTGCGTAAATTTAAAACCAATGTGTTACCTTTTCG
ACAAAATGATTCATCTAGTCATTGCCAGAAGAGTGGGTCTCTATTTCTCAGAAGAGCGCGCGCAGG
GATAAGCAGCATCTTGATGACATCACAGCAGCTCGGCTTACCACCTCACCATATGCCACGCGAGCTGC
TCTCCATAGAAGAATCCTTGGCACTTACAGAAACAGCAGAAACAGAAATTATGAGGAGATGCAAGCAAAGCT
CGCAGCGCAAAAATTAGCTGAAAGACTGAATATTTAAATGCGGAGTTATAATCCAGAAGGGGAGTCTTCA
GGGAGATACCGAGAAGTAAGGGATGAAGATGACGATTGGTCTCTGATGAATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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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_015532.2](#)

RefSeq Size: 4139 bp

RefSeq ORF: 1107 bp

Locus ID: 81488

UniProt ID: [Q6EEV4](#)

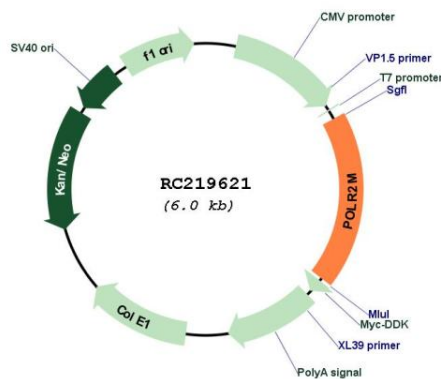
Cytogenetics: 15q21.3

Protein Families: Druggable Genome, Ion Channels: Other

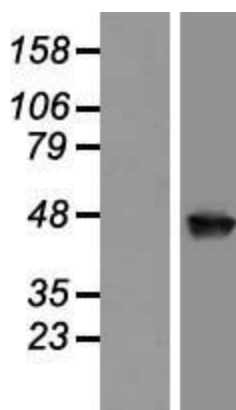
MW: 41.6 kDa

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]

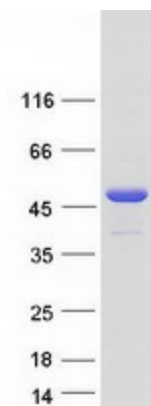
Product images:



Circular map for RC219621



Western blot validation of overexpression lysate (Cat# [LY414481]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219621 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified POLR2M protein (Cat# [TP319621]). The protein was produced from HEK293T cells transfected with POLR2M cDNA clone (Cat# RC219621) using MegaTran 2.0 (Cat# [TT210002]).