

Product datasheet for **SC313458**

GCM1 (NM_003643) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GCM1 (NM_003643) Human Untagged Clone
Tag:	Tag Free
Symbol:	GCM1
Synonyms:	GCMA; hGCMA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003643 edited
 CAGTAAGATTTTCACGACACAGTGTCTGTCTTCTCCGTAAGAAGTTAGAAGCCCTAGA
 AAACAATCTCCTGGTCCAAGGTGCTTGAGTGGGCCGATCCAGCTATATCAAGAACCTTTG
 AGAACAAAATTCTCAAGCATTCTGAGGGGAGTGAATAGGTGAAAACCTTGGCTGGCCT
 GACCTTATCATGGAACCTGACGACTTTGATTCTGAAGACAAGAGATATTAAGCTGGGAT
 ATTAATGATGTGAAACTGCCACAGAACGTGAAAAAACCGACTGGTCCAGGAGTGGCCA
 GATTCCTATGCCAAACACATCTACAGCTCGGAGGACAAGAATGCGCAGCGGCACCTGAGC
 AGCTGGGCCATGCGCAATACCAACAACCAACTCCCGCATCCTCAAGAAGTCTGCCTG
 GGTGTGGTGGTGTGCGGCCGCGACTGTCTCGCAGAGGAGGGGCGCAAGATCTACCTGAGA
 CCTGCCATCTGTGACAAGGCCCGGCAGAAAGCAGCAGCGGAAACGCTGTCCCAACTGTGAC
 GGGCCTCTGAAGCTATCCCTTGCCGAGGTGATGGGGGCTTCCCGGTACCAACTTCTGG
 AGGCACGACGGACGCTTATATTTTTCCAGTCAAAGGGAGAGCATGATCATCCAAAACCA
 GAAACCAAGTTAGAAGCTGAGGCAAGAAGGCCATGAAGAAAGTGAACACAGCACCTTCC
 TCCGTCTCATTGAGCCTGAAGGGGAGCACAGAGACCAGGTCTCTCCAGGTGAAACAAA
 AGTCAGGGGAGTTTACCTTTAACTTGGTCTTCCAGGAAGGCGTCCAATTGCCTGGTAGT
 TACAGTGGACATTTAATAGCTAACACTCCTCAGCAGAACTCACTAAATGATTGCTTTTCC
 TTCTCCAAGATTATGGTCTGGGAGGAATCACAGATCTGACTGACCAGACTTCCACTGTG
 GACCCCATGAAGCTCTATGAAAAGCGCAAATTGTCCAGTAGCAGAACCTACAGTAGTGGG
 GACCTGCTTCTCCTTCTGCCTCCGGAGTCTACTCTGATCATGGCGATCTACAAGCGTGG
 AGTAAAAATGCTGCTTTGGGGAGAAATCATCTTGCTGACAACCTGTTATTTCAATTATCCT
 TTTCTCTGACCAGCTGGCCTTGACGCTTCTCTCCTTCCAAAACCTTTCAGAACCTTTT
 TACCAGCAGCTTCCATTGGAGCCACCTGCAGCCAAAACCTGGCTGTCCCCATTATGGCCA
 AATCCAGCGGGTAACTTTATGAAGAGAAAGTACATGTGGATTTTAAACAGCTACGTCCAG
 TCTCCTGCATACCAATCACCTCAAGAAGACCCCTTTCTCTCACCTACGCCTCTCATCCT
 CATCAGCAATATTTCACTGCCAAGCAAGAGCAGCAATGGGATTTTGAAGAAAGAAATGACA
 TACTTGGGTTTGGATCACTGCAACAATGATATGCTTCTGAACCTGTGCTTTTGAGATGA
 CCCAAATCTTTCATATGTGCACCCAGCCCTCAAAAATGGGGAAGGGCTGAAAGAATT
 TCCTTAGGAAATAATTTTTAAAACATAACCACAGATAAATGAGAATCATGATAAGCAGTA
 GACAAGGCTTTTTCTTTTTCTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAG
 ACAGAGTCTTGCTTTTTGCCAGGCAGGAATGCAGTGGCGCCATCTCGGCTCACTGCAA
 CCTCTGCCTCCCGGGTTGAGTGATTCTCCTGCGTCAGCCTCCCGAGTAGCTGGGATTAC
 AGGCACCTGCCACTGCGCCTGGCTAATTTTTCTATTTTTAGTAGAGACAGGGTTTTGCCA
 TGTTGGTCAGGCTGCTCTCAAACTCCTGATCTCAAGTGATCTGCCACCTCACCATCCCA
 AAGTGCTGGGATTACAGGCGTGAGCCATTGTGCCCGGCTGACAAGGCTTTTTTCTTACA
 TGAGTAATTTTTTTGGCTTCTTCTCCTCCACTAGTATTTCCACCCTCAGTAAGGAATG
 GAAACCTGTCCCGTCTGGGGTGTGAAGTGCCTCTGCTTTTTCCCCACATTGTTTGGGG
 TTCCCAGCACCTCAGCCACATTGCATGCTGGGTTTTTATTGTCATTGTTGCAAAATGAAAT
 GGAGTAGACATGTGAAATGCTAACCTATCTAGGACCTGATCTATGCCTTCTTGGAACTG
 AGAATGAAGAAACAGAAATAGATGGTGAAGAAGTGCCTAAGGTGTGAAAAGCTGAAGAT
 TCTACCAGTGAAGTACTGAATATGTTGTCTAGTTGTGAGACTAGTGTGAAAAATATATGT
 TTTCTAGATGATTTCTGAGACTTGTGATGACAAGAACCTGACCTAACCCATTTTTTCAT
 AAAGACAAAGAACAGCAATGTTAAATTGCCATATGAAGAGAAACACTAGTGATGTGCGTG
 GTCTCCTTGCCCTTGTGTTCCCTTCCCTCTTCTCACTGACTTCCCTTGCACAGGGGCTT
 CTGTTTTATCCATTTATATTTGTGGCACCTATATCAATGTGGGGTTTGAATAGGTGA
 GAAATATTTGCTTGGAGAAGCTTTGTGCAATTAGCCTGGCAATGATTGGCCGGCCATGT
 TTGAATGCCAGTTTCTCTTTTGTGCTGAAGTACTTTATGATAAAAGTAAGCCTAGACATA
 AAATCTGGAGAGAACCATGCAATAACAAGTATTTTTGAAATAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_003643
Insert Size: 1800 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_003643.2.
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:	<u>NM_003643.2</u> , <u>NP_003634.2</u>
RefSeq Size:	2763 bp
RefSeq ORF:	1311 bp
Locus ID:	8521
UniProt ID:	<u>Q9NP62</u>
Cytogenetics:	6p12.1
Domains:	GCM
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a DNA-binding protein with a gcm-motif (glial cell missing motif). The encoded protein is a homolog of the Drosophila glial cells missing gene (gcm). This protein binds to the GCM-motif (A/G)CCCGCAT, a novel sequence among known targets of DNA-binding proteins. The N-terminal DNA-binding domain confers the unique DNA-binding activity of this protein. [provided by RefSeq, Jul 2008]