

Product datasheet for **SC108185**

MIR16 (GDE1) (NM_016641) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIR16 (GDE1) (NM_016641) Human Untagged Clone
Tag:	Tag Free
Symbol:	MIR16
Synonyms:	363E6.2; MIR16
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016641, the custom clone sequence may differ by one or more nucleotides

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ATGTGGCTGTGGGAGGACCAGGGCGGCCTCCTGGGCCCTTCTCCTTCCTGCTAGTGTCTGCTGCTGG
TGACGCGGAGCCCGGTCAATGCCTGCCTCCTCACCGGCAGCCTCTTCGTTCTACTGCGCGTCTTCAGCTT
TGAGCCGGTGCCCTCTTGACAGGGCCCTGCAGGTGCTCAAGCCCCGGGACCGCATTCTGCCATCGCCAC
CGTGGCGGCAGCCACGACGCGCCCGAGAACACGCTGGCGGCCATTCGGCAGGCAGCTAAGAATGGAGCAA
CAGGCGTGGAGTTGGACATTGAGTTTACTTCTGACGGGATTCCTGTCTTAATGCACGATAACACAGTAGA
TAGGACGACTGATGGGACTGGGCGATTGTGTGATTTGACATTTGAACAAATTAGGAAGCTGAATCCTGCA
GCAAACCACAGACTCAGGAATGATTTCCCTGATGAAAAGATCCCTACCCTAAGGGAAGCTGTTGCAGAGT
GCCTAAACCATAACCTCACAAATCTTCTTTGATGTCAAAGGCCATGCACACAAGGCTACTGAGGCTCTAAA
GAAAATGTATATGGAATTTCTCAACTGTATAATAATAGTGTGGTCTGTTCTTTCTTGCCAGAAGTTATC
TACAAGATGAGACAAACAGATCGGGATGTAATAACAGCATTAACTCACAGACCTTGAGCCTAAGCCATA
CAGGAGATGGGAAACCACGCTATGATACTTTCTGGAAACATTTTATTTGTTATGATGGACATTTTGCT
CGATTGGAGCATGCATAATATCTTGTGGTACCTGTGTGGAATTTGAGCTTTCCTCATGCAAAAGGATTTT
GTATCCCCGGCCTACTTGAAGAAGTGGTCAGCTAAAGGAATCCAGGTTGTTGGTTGGACTGTTAATACCT
TTGATGAAAAGAGTTACTACGAATCCCATCTTGGTCCAGCTATATCACTGACAGCATGGTAGAAGACTG
CGAACCTCACTTCTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016641 unedited</p> <pre>AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGCCATTGTGCGGCGCTGG TCCCTCAGAGGGTTCTCTGCTGCTGCCGGTGCCTTGGACCCTCCCCTCGCTTCTCGTTC TACTGCCCCAGGAGCCCGGGGCTCCGGGACTCCCGTCCGTGCCGGTGCCGGGCGCCGGCA TGTGGCTGTGGGAGGACCAGGGCGGCCCTCTGGGCCCTTCTCCTTCTGCTGCTAGTGC TGCTGCTGGTGACGCGGAGCCCGGTCAATGCCTGCCTCCTCACCGGCAGCCTCTTCGTTT TACTGCGCTCTTCAGCTTTGAGCCGGTGCCTCTTGCAGGGCCCTGCAGGTGCTCAAGC CCCGGGACCGCATTTCTGCCATCGCCACCGTGGCGGCAGCCACGACGCGCCGAGAACA CGCTGGCGGCCATTTCGGCAGGCAGCTAAGAATGGAGCAACAGGCGTGGAGTTGGACATTG AGTTTACTTCTGACGGGATTCTGTCTTAATGCACGATAACACAGTAGATAGGACGACTG ATGGGACTGGGCGATTGTGTGATTTGACATTTGAACAAATTAGGAAGCTGAATCCTGCAG CAAACCACAGACTCAGGAATGATTTCCCTGATGAAAAGATCCCTACCCTANAGGAAGCTG TTGAGAGTGCCTAAACCATAACCTCACAATCTCTTTGATGTCAAAGGCCATGCACACA AGGCTACTGAGGCTCTAAGANAATGTATATGGAATTTNCCTCACTGTATATATANNVTG GTCTGGTCTTTTCCAGAGTTATCTANCAGATGGACNAACAGATCCGGATGGTATAC AGCATTACTCACAGACCTTGAGCCTAGCCTACAGAGAGGNAACACCTTTGAACTTCTGG ACATNTATATNGNATGAGGGCATTGCTCATGGACTGN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016641 unedited</p> <pre>CCGCGGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTAAAGATCAGGTTCTCACT GTGCCACCAAGTTGTAGTGCCGTGGTGAATCATGGCTCATTGCAGCCTTGAATTCTG GGCTCAAGTGATCCTCCACCTCAACCTCCTGAGTAGTGGGAATACAGGCATGCACCAC CATGCCTAATTTTTAGAGATGGGGTCTTGCTATATTGCCAGTCTGGCCTCAAGTAATC CTCTGCCTCAGCTTTCTGAATTGCTGGGATTATCGGCATGAGCCACTGTGCCAGCTAA GCTGTGACTTTTGAGGCAACCCCTTCCCTTCCACAGAGTTTAGTTTCTCATTGTAAAA TGAGGACAAAACCTAGATATTTTTGGAAGTTTCTCCAGTTCTAATTGCCTATGATCAGAT CACATCTGTTGCAGAGCTTCTAAAAAGCCTGGAAAAGTGCAACTCTGCCCCCTGGTGGT TTGCAGCTCTCTATTCAAGATGTATAAATCCCTCATTGGCTTCAAGACCTCCCTACCAT TTTGGTTGCTGTACACTGAAGCCTCACTGGATTGCATGGTGGCTTCCCCAAATCCGAT GCCTTANGATATGATGCTTGGCACACAGTTTTCCCTTATGCTCCTTTAATAATTTTAT TAGTATGGCCACAAGTTTGTGTCTACAGTACATGTTAACATAGCTGAGTACAAATTTT GAAATAAGTGTGGCAAGCTTTAAAATGCAACTTTTGGATTATCATGCCTGTCCCATGCCT TTACCTTTGGCTCTGCAATTGTCCAATCAATCTGGGCTTATCCTCACTGGGTCTCCCT GGGGCCCTAGCTAAGCAGGGCAAGGGCTCTCGGGCCTTNTTAAAGACAAATTTTCAAAG ACACACGGTTGAAATCTGGCTGCCCATGGGCATGGGGGAACCCCGGGTTATCTTTGGTCA GAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016641
Insert Size:	2300 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).
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_016641.3 , NP_057725.1
RefSeq Size:	2960 bp
RefSeq ORF:	996 bp
Locus ID:	51573
UniProt ID:	Q9NZC3
Cytogenetics:	16p12.3
Domains:	GDPD
Protein Families:	Transmembrane
Protein Pathways:	Glycerophospholipid metabolism
Gene Summary:	Has glycerophosphoinositol phosphodiesterase activity. Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines. Has little or no activity towards glycerophosphocholine. GDE1 activity can be modulated by G-protein signaling pathways (By similarity).[UniProtKB/Swiss-Prot Function]