

Product datasheet for **SC123203**

GLYATL2 (NM_145016) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLYATL2 (NM_145016) Human Untagged Clone
Tag:	Tag Free
Symbol:	GLYATL2
Synonyms:	BXMAS2-10; GATF-B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_145016 edited
 GGGGAGTCCATAGAGTATTAGCTACAGAAACCTTCCATTGCCACTGAGAAAAGTGCAG
 CAGGCAGTGTGCCTACAGGTCTACAAAGAACTTCAGAGTCTCAGTGTGACCCAGGCT
 GGAATGCAGTGGTGCATATCAGATCACTGCAACCTCCTTTCCTTGGTTCAAGCGATTC
 TCCTGCCTCAGCCTCCTGAGTAGCTGGGACTACTGACACTCACCACCACCCAGATCAT
 CTTCTTGAGGGAAAGAAGCTGAAGTGCTACATAAGATGCTTGTGCTTCACAACTCTCAGA
 AGCTGCAGATTCTGTATAAATCCTTAGAAAAGAGCATCCCTGAATCCATAAAGGTATATG
 GCGCCATTTTCAACATAAAAAGATAAAAACCTTTCAACATGGAGGTGCTGGTAGATGCCT
 GGCCAGATTACCAGATCGTCATTACCCGGCCTCAGAAACAGGAGATGAAAGATGACCAGG
 ATCATTATACCAACTTACCACATCTTACCAAAGCTTCTGACAAATTAGAGGAAGTCC
 TGTCACTCCAATGTAATCAGCTGGGAGCAAACCTTGCAGATCCAAGGTTGCCAAGAGG
 GCTTGGATGAAGCAATAAGAAAGTTGCAACTTCAAATCAGTGCAGGTAGATTACATGA
 AAACCATCCTCTTTATACCGGAATTACCAAAGAAACACAAGACCTCAAGTAATGACAAGA
 TGGAGTTATTTGAAGTGGATGATGATAACAAGAAAGGAAACTTTTCAAACATGTTATAG
 ATGCTTCACATGCAGGTCTTGTGAATGAACACTGGGCCTTTGGGAAAAATGAGAGGAGCT
 TGAAATATATTGAACGCTGCCTCCAGGATTTCTAGGATTTGGTGTGCTGGTCCAGAGG
 GCCAGCTTGTCTTGGATTGTGATGGAACAGTCTGTGAGTTGAGAATGGGTTACTGT
 TCCCAAAATACAGACACCAAGGCAACATGTTGCAAATTTGGTTATCATCTTGAAAAGTATC
 TTTCTCAGAAAGAAATCCATTTTATTTCCATGTGGCAGATAAATGAGAAAAGCCTAC
 AGGCACTGAACAATTTGGGGTTAAGATTTGCTTGTGGCTGGCATCAGTGGAATGCA
 CCCCCAAGAAATATTGTTGATTGATTCCACTGTCCATTTCAAATCTTTCTTATCAGTAA
 AAAACATTAATCAAACAAGCATTGTGATCTACATTAGCACAAAATGCAACTGATTAT
 CTAGGATCTGTGATTACTTAAGCTCACCTTAACAGTTTTACCTTCTCTCTCTGTA
 TTCTTACAGAAAATTAGAAGCTCAATTTTATGGTCTCATAATTTCTTTATGACAGACAT
 CTCAGAATTAATCACCCAAAGCCAATCATTAGTCCAAGATAACCCTTTAACGGCAAC
 ACTTTCTAAATGAAGACTATTTCTTTTCATGAAAAAATCACTTTTATGACT



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145016 unedited TTAGGATATTTGTATACGACTTTCTATAGGCGGCCGACGAATTCGCCATTACGGCCGGGG AGTTCTAGAGTATTAGCTACAGAAACCTTTCCATTGCCATACTGAGAAAGTGCAGCAGG CAGTGTGCTACAGGTCTACAAAGAACTTCAGAGTCTCACACTGTCACCCAGGCTGGAA TGCAGTGGTGGATATCAGATCACTGCAACCTCCTCTTCTTGGTTCAAGCGATTCTCCT GCCTCAGCCTCCTGAGTATCTTTTATTACTGACACTCACCACCACCCAGATCATCTTC TTGAGGGAAAGAAGCTGAAGTGCTACATAAGATGCTTGTGCTTCACAACCTCAGAAGCT GCAGATTCTGTATAAATCCTTAGAAAAGAGCATCCCTGAATCCATAAAGTATATGGCGC CATTTTCAACATAAAAAGATAAAAACCTTTCAACATGGAGGTGCTGGTAGATGCCTGGCC AGATTACCAGATCGTCATTACCCGGCCTCAGAAACAGGAGATGAAAGATGACCAGGATCA TTATACCAACACTTACCACATCTTACCAAAGCTTCTGACAAATTAGAGGAAGTCCTGTC ATACTCCAATGTAATCAGCTGGGAGCAAACCTTGCAGATCCAAAGTTGCCAAGGAGGGCT TGGATGAAGCAATAAGAAAGTTGCAACTTCAAATCATTGCAAGTAGATTACTTGAAAA CCATCCTCTTTATACCGAATTACCAAAGAAACACAAGACCCTCAGTTATGACAAGAAGG AATTATTTGAAGTGGATGATGATAACCAGAAAGGAAACCTTTAAACAGGTTCTAAATGC TTCCAATGCCGGTCTGGTGAATGAAAACCGGGCCTTTGGAAAAAAGAAAGGAGCTGAAAA TATGGAACGCTGCCCCAGAATTTCCAAGATTGGGGGGCCGG
Restriction Sites:	Please inquire
ACCN:	NM_145016
Insert Size:	1492 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_145016.2 , NP_659453.2
RefSeq Size:	1636 bp
RefSeq ORF:	885 bp
Locus ID:	219970
UniProt ID:	Q8WU03
Cytogenetics:	11q12.1

Gene Summary:

Mitochondrial acyltransferase which transfers the acyl group to the N-terminus of glycine. Conjugates numerous substrates, such as arachidonoyl-CoA and saturated medium and long-chain acyl-CoAs ranging from chain-length C8:0-CoA to C18:0-CoA, to form a variety of N-acylglycines. Shows a preference for monounsaturated fatty acid oleoyl-CoA (C18:1-CoA) as an acyl donor. Does not exhibit any activity toward C22:6-CoA and chenodeoxycholoyl-CoA, nor toward serine or alanine.[UniProtKB/Swiss-Prot Function]