

## Product datasheet for **SC323063**

### Ghrelin O acyltransferase (MBOAT4) (NM\_001100916) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ghrelin O acyltransferase (MBOAT4) (NM\_001100916) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ghrelin O acyltransferase  
**Synonyms:** FKSG89; GOAT; OACT4  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001100916 edited  
 ATGGAGTGGCTTTGGCTGTTCTTTCTCCATCCTATATCGTTTTACCAGGGGGCTGCATTT  
 CCCTTTGCACTTCTCTCAATTATCTCTGCATCATGGATTCATTCTCCACTCGTGCCAGG  
 TACCTCTTTCTCCTGACTGGAGGAGGTGCCCTGGCCGTGGCTGCCATGGGTTCTACGCC  
 GTGCTCGTCTTACCCCTGCTGTCTGCGCTGTGGCTCTCCTCTGTTCCCTGGCTCCTCAG  
 CAAGTCCACAGGTGGACCTTCTGCTTTCAGATGAGCTGGCAGACCTTGTGTACCTAGGT  
 CTGCACTACACTGAGTATTATCTGCATGAGCCTCCTTCTGTGAGGTTCTGCATCACTCTT  
 TCTTCTCATGCTCTTGACCCAGAGGGTCACGTCCTCTCTCTGGACATTTGTGAGGGG  
 AAAGTGAAGGCAGCATCTGGAGGCTTCAGGAGCAGGAGCTTTTGTCTGAGCATGTGTGT  
 AAGGCACTGCCCTATTTAGCTACTTGCTTTTTCCCTGCTCTCCTGGGAGGCTCTCTG  
 TGCTCCTCCAGCGATTTAGGCTCGTGTCAAGGGTCCAGTGCCTTGCATCCCAGACAC  
 TCTTTCTGGGCTCTGAGCTGGAGGGTCTGCAGATTTGGACTAGAATGCCTAAACGTG  
 GCAGTGAGCAGGGTGGTGGATGCAGGAGCGGGACTGACTGATTGCCAGCAATTCGAGTGC  
 ATCTATGTCGTGTGGACCACAGCTGGGCTTTTCAAGCTCACCTACTACTCCCACTGGATC  
 CTGGACGACTCCCTCCTCCACGCAGCGGGCTTTGGGCCTGAGCTTGGTCAGAGCCCTGGA  
 GAGGAGGGATATGTCCCGATGCAGACATCTGGACCTGGAAAGAACCACAGGATATCT  
 GTGTTCTCAAGAAAGTGAACCAAGCACAGCTCGATGGCTCCGACGGCTTGATTCCAG  
 CACAGCAGGGCTTGCCGTTGTTGCAGACATTTGCCTTCTGCTGGTGGCATGGACTC  
 CATCCAGGACAGGTGTTTGGTTTCGTTTGGCTGGCCGTGATGGTGAAGCTGACTACCTG  
 ATTCACCTCTTTGCCAATGAGTTTATCAGATCCTGGCCGATGAGGCTGTTCTATAGAACC  
 CTCACCTGGGCCACACCCAGTTGATCATTGCCTACATCATGCTGGCTGTGGAGGTCAGG  
 AGTCTCTCTCTCTGTTGCTCTGTAATTCGTACAACAGTGTCTTTCCATGGTGTAC  
 TGTATTCTGCTTTTCTATTGGCGAAGAGAAAGCACAAATGTAACCTGA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001100916



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<b>Insert Size:</b>	1600 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_001100916.1
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001100916.1</a> , <a href="#">NP_001094386.1</a>
<b>RefSeq Size:</b>	1663 bp
<b>RefSeq ORF:</b>	1308 bp
<b>Locus ID:</b>	619373
<b>UniProt ID:</b>	<a href="#">Q96T53</a>
<b>Cytogenetics:</b>	8p12
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Mediates the octanoylation of ghrelin at 'Ser-3'. Can use a variety of fatty acids as substrates including octanoic acid, decanoic acid and tetradecanoic acid.[UniProtKB/Swiss-Prot Function]