

Datasheet for ABIN4927079

Human MOGAT3 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	MOGAT3
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human MOGAT3 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	846 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGGAGTTG CCACAACCCT GCAGCCCCCA ACCACTTCCA AACCTTGCA GAAGCAGCAT CTAGAAGCAG TGGGCGCCTA CCAATATGTG CTCACCTTCC TCTTCATGGG CCCTTTCTTC TCCCTTCTTG TCTTTGTCTT CCTCTTCACG TCACTCTGGC CCTTCTCTGT TTTTACTTG GTGTGGCTCT ATGTGGACTG GGACACACCC AACCAAGGTG GAAGGCGTTC GGAGTGGATA

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Product Details

AGGAACCGGG CAATTTGGAG ACAACTAAGG GATTATTATC CTGTCAAGCT GGTGAAAACA
GCAGAGCTGC CCCC GGATCG GAACTACGTG CTGGGCGCCC ACCCTCATGG GATCATGTGT
ACAGGCTTCC TCTGTAATTT CTCCACCGAG AGCAATGGCT TCTCCCAGCT CTTCCCGGGG
CTCCGGCCCT GGTTAGCCGT GCTGGCTGGC CTCTTCTACC TCCCGGTCTA TCGCGACTAC
ATCATGTCCT TTGGACTCTG TCCGGTGAGC CGCCAGAGCC TGGACTTCAT CCTGTCCCAG
CCCCAGCTCG GGCAGGCCGT GGTCATCATG GTGGGGGGTG CGCACGAGGC CCTGTATTCA
GTCCCCGGGG AGCACTGCCT TACGCTCCAG AAGCGCAAAG GCTTCGTGCG CCTGGCGCTG
AGGCACGGTG GGCCGCCCA TCCCCGTCCC CCAGCGCCTC CACCCACCG AGGAGGAAGT
CAATCACTAT CACGCCCTCT ACATGACGGC CCTGGAGCAG CTCTTCGAGG AGCACAAGGA
AAGCTGTGGG GTCCCCGCTT CCACCTGCCT CACCTTCATC TAGGCCTGGC CGCGGCCTTT
CGCTGA

Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology
Characteristics:	Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.
Sequencing Primer:	<ul style="list-style-type: none">• Forward primer: 5'-TAATACGACTCACTATAGGG-3'• Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'
Grade:	End-sequenced
Components:	The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

Target Details

Gene:	MOGAT3
Alternative Name:	MOGAT3 (MOGAT3 Products)
Background:	Acyl-CoA:monoacylglycerol acyltransferase (MOGAT, EC 2.3.1.22) catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA (Cheng et al., 2003 [PubMed 12618427]).[supplied by OMIM, Mar 2008].
Gene ID:	346606
NCBI Accession:	NM_001287147

Application Details

Restrictions:	For Research Use only
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Handling

Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)