

Product datasheet for SC304578

OLAH (NM_018324) Human Untagged Clone

Product data:

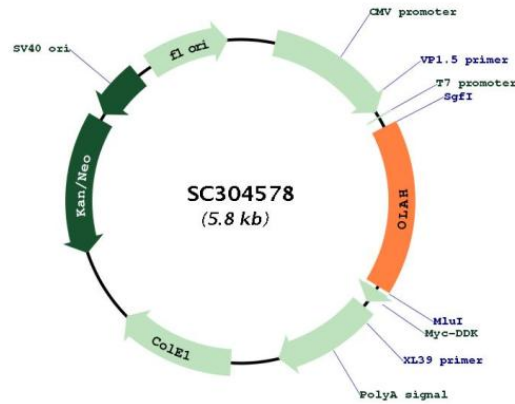
Product Type:	Expression Plasmids
Product Name:	OLAH (NM_018324) Human Untagged Clone
Tag:	Tag Free
Symbol:	OLAH
Synonyms:	AURA1; SAST; TE2; THEDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304578 representing NM_018324. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGGAGAGAGGAGACCAACCTAAGAGAACCAGGAATGAAAACATTTTCAACTGCTTATACAAAAACCC
GAGGCAACTTTTAAGCTGATTTGCTTTCCCTGGATGGGAGGTGGCTCCACTCATTTTGCCAAATGGGGC
CAAGATACTCATGATTTGCTGGAAGAGACAGCATCTCACCATGTTGCCAAGGCTGGTCTCAAACCTCCG
CGCTCAAGTGATCCTCCTGCTTCAGCCTACCCATGTGCTGGCGTGAGCCACCGTAGGCGTGAGCCACCG
TGCTGGCCAAAATTCTGGTCTATTCTGGATTCTAATTTTTTTATGCACTCCTAAGGCTTCCTGGA
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TCCTGTGACTTGACATGTTTTGTTGGATCTGAAGACATAGCAAAGGACATGGAAGCCTGGAAGATGTA
ACCAGTGGAAATGCTAAAATTTACCAGCTTCCAGGGGTCACTTTTATCTTCTGGATCCTGCCAAGCAG
AAATTAATCAAGAACTACATAATCAAGTGTCTAGAAGTATCATCGATATCCAATTTT TAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN:	NM_018324
Insert Size:	957 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_018324.2</u>
RefSeq Size:	1834 bp
RefSeq ORF:	957 bp

Locus ID:	55301
UniProt ID:	Q9NV23
Cytogenetics:	10p13
Protein Pathways:	Fatty acid biosynthesis, Metabolic pathways
MW:	35.8 kDa
Gene Summary:	<p>Contributes to the release of free fatty acids from fatty acid synthase (FASN). Has broad substrate specificity, giving rise to a range of free fatty acids with chain lengths between 10 and 16 carbon atoms (C10 - C16).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>