OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC323024

Lysosomal acid lipase (LIPA) (NM_001127605) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lysosomal acid lipase (LIPA) (NM_001127605) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIPA
Synonyms:	CESD; LAL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001127605 edited ATGAAAATGCGGTTCTTGGGGTTGGTGGTCTGTTTGGTTCTCTGGCCCCTGCATTCTGAG GGGTCTGGAGGGAAACTGACAGCTTTGGATCCTGAAACAAACATGAATGTGAGTGAAATT ATCTCTTACTGGGGATTCCCTAGTGAGGAATACCTAGTTGAGACAGAAGATGGATATATT CTGTGCCTTAACCGAATTCCTCATGGGAGGAAGAACCATTCTGACAAAGGTCCCAAACCA GTTGTCTTCCTGCAACATGGCTTGCTGGCAGATTCTAGTAACTGGGTCACAAACCTTGCC AACAGCAGCCTGGGCTTCATTCTTGCTGATGCTGGTTTTGACGTGTGGATGGGCAACAGC AGAGGAAATACCTGGTCTCGGAAACATAAGACACTCTCAGTTTCTCAGGATGAATTCTGG GCTTTCAGTTATGATGAGATGGCAAAATATGACCTACCAGCTTCCATTAACTTCATTCTG AATAAAACTGGCCAAGAACAAGTGTATTATGTGGGTCATTCTCAAGGCACCACTATAGGT TTTATAGCATTTTCACAGATCCCTGAGCTGGCTAAAAGGATTAAAATGTTTTTTGCCCTG GGTCCTGTGGCTTCCGTCGCCTTCTGTACTAGCCCTATGGCCAAATTAGGACGATTACCA GATCATCTCATTAAGGACTTATTTGGAGACAAAGAATTTCTTCCCCAGAGTGCGTTTTTG AAGTGGCTGGGTACCCACGTTTGCACTCATGTCATACTGAAGGAGCTCTGTGGAAATCTC TGTTTTCTTCTGTGTGGATTTAATGAGAGAAATTTAAATATGTCTAGAGTGGATGTATAT ACAACACATTCTCCTGCTGGAACTTCTGTGCAAAACATGTTACACTGGAGCCAGGCTGTT AAATTCCAAAAGTTTCAAGCCTTTGACTGGGGAAGCAGTGCCAAGAATTATTTTCATTAC AACCAGAGTTATCCTCCCACATACAATGTGAAGGACATGCTTGTGCCGACTGCAGTCTGG AGCGGGGGTCACGACTGGCTTGCAGATGTCTACGACGTCAATATCTTACTGACTCAGATC ACCAACTTGGTGTTCCATGAGAGCATTCCGGAATGGGAGCATCTTGACTTCATTTGGGGC CTGGATGCCCCTTGGAGGCTTTATAATAAAATTATTAATCTAATGAGGAAATATCAGTGA
Restriction Sites:	Please inquire
ACCN:	NM_001127605
Insert Size:	1200 bp

View online »

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	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_001127605.1, NP_001121077.1
RefSeq Size:	2669 bp
RefSeq ORF:	1200 bp
Locus ID:	3988
UniProt ID:	P38571
Cytogenetics:	10q23.31
Protein Families:	Druggable Genome
Protein Pathways:	Lysosome, Steroid biosynthesis
Gene Summary:	This gene encodes lipase A, the lysosomal acid lipase (also known as cholesterol ester hydrolase). This enzyme functions in the lysosome to catalyze the hydrolysis of cholesteryl esters and triglycerides. Mutations in this gene can result in Wolman disease and cholesteryl ester storage disease. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2014] Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1 and 2 encode the same isoform 1.