

Product datasheet for **SC312717**

LSS (AK096769) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSS (AK096769) Human Untagged Clone
Tag:	Tag Free
Symbol:	LSS
Synonyms:	CTRCT44; OSC
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK096769, the custom clone sequence may differ by one or more nucleotides ATGCACACACAGGTCTGTGCACACACATACATACGCATGCACAGGCACCTATGTACACAC ATGCAGATACACCCACAGCATCCCATCTGTGCCACACACAGACATAGGTACATGAAGACA GATGCACACACAGGTCTATGCACACACGTATGCATGCACAGGCACCTGTGTACACACATG CAGATGCACCCGAGTATCCCATCTGTGCCACACACAGACATACGTACATGGAGACAGAT GCACATACAGGTCTATGCACACATGTACACATGCACAGGCACCTGTGTACACACATGCAG ATGCACCCGAGTATCCCATCTGTGCCACACACAGACATACGTACATGGAGACAGATGCA CATAACAGGTCTATGCACACATGTACACATGCACAGGCACCTGTGCACACATATGCAGATG CACCCGAGTATCCCATCTGTGCCACACACAGACATACGTACATGGAGACAGATGCACAC ACAGGTCTATGCACACATGTACACATGCACAGGCACCTGTGTACACACATGCAGATGCAC CCGAGTATCCCATCTGTGCCACACACAGACATACGTACATGGAGACAGATGCACACACA GGTCTATGCACACATGTACACATGCACAGGCACCTGTGCACACATATGCAGATGCACCCG CAGTATCGCATCTGTGCCACACACAGACATACGTACATGGAGACAGATGTACATACAGGT CTATGCGCACACGTACACATGCACAGGCACCTGTGCACACATACATACAGATGCACCCG AACATCCCGTCTGTGCTGCCCTAT
Restriction Sites:	Please inquire
ACCN:	AK096769
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).



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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: [AK096769.1](#), [BAC04859.1](#)

RefSeq Size: 2414 bp

RefSeq ORF: 807 bp

Locus ID: 4047

Cytogenetics: 21q22.3

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Steroid biosynthesis

Gene Summary: The protein encoded by this gene catalyzes the conversion of (S)-2,3 oxidosqualene to lanosterol. The encoded protein is a member of the terpene cyclase/mutase family and catalyzes the first step in the biosynthesis of cholesterol, steroid hormones, and vitamin D. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2009]