

## Product datasheet for **SC303624**

### Hormone sensitive lipase (LIPE) (NM\_005357) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hormone sensitive lipase (LIPE) (NM_005357) Human Untagged Clone
Tag:	Tag Free
Symbol:	Hormone sensitive lipase
Synonyms:	AOMS4; FPLD6; HSL; LHS; REH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_005357 edited  
 CTTCTTGTAAAGAGAGTGCTAGGCACATAGCCTCCTCCTATTCTAATCCTCCCACCAAAAG  
 AAAGAGGCACAGAGTTCATTACTTAGTGGGGGCCAGCTGTGATCGGCCAACTGCCAGCTG  
 CCTTAAAAAGGAAGACCAGTGATGCTAGGATGGAGTGAAACCCAAGAGGAAGTGCCATCA  
 TGAGGAATCAATGAGAGATCTGTGAAGAGAGAGGGCTGGGTGGGAGCCAGAAGGATAGA  
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TGCTGTGCGGCGACCCCGCAGGGACGGGGACTGGCCCTCCCTTGCAGGTCGGTTTGGT
TTGTTGTAATAAAAAGTATTTAATTAGTTTGGCAAAAAAAAAAAAAAAAAA
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- Restriction Sites:** Please inquire
- ACCN:** NM\_005357
- Insert Size:** 3900 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:** The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

<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_005357.2</a> , <a href="#">NP_005348.2</a>
<b>RefSeq Size:</b>	3806 bp
<b>RefSeq ORF:</b>	3231 bp
<b>Locus ID:</b>	3991
<b>UniProt ID:</b>	<a href="#">Q05469</a>
<b>Cytogenetics:</b>	19q13.2
<b>Protein Pathways:</b>	Insulin signaling pathway
<b>Gene Summary:</b>	The protein encoded by this gene has a long and a short form, generated by use of alternative translational start codons. The long form is expressed in steroidogenic tissues such as testis, where it converts cholesteryl esters to free cholesterol for steroid hormone production. The short form is expressed in adipose tissue, among others, where it hydrolyzes stored triglycerides to free fatty acids. [provided by RefSeq, Jul 2008]