

## Product datasheet for RC209729

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hormone sensitive lipase (LIPE) (NM_005357) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hormone sensitive lipase
Synonyms:	AOMS4; FPLD6; HSL; LHS; REH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209729 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCAGGTTCTAAGTCAGTGTCTAGGTCAGACTGGCAACCTGAACACACCAGAGGCTATAACCC  
CGCTAGAGCCTGGGCCAGAAAAGACACCCATAGCCAGCCAGAATCGAAGACTCTGCAGGGATCCAATAC  
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TCCCAGAAGGAACCTAGAGCCCAACAAAATCTGCTTACAAGAGGAATTTCTTGCCCCACAGAAGCCCG  
CACCACAGCAATCACCTTACATCCAAGGGTGCTGCTCACTCAACAGGAAGCTGCCTCCCAGCAGGGACC  
TGGGCTAGGAAAAGAATCTATACTCAACAGGAGCCAGCATTGAGACAAAAGACATGTAGCCAGCCAGGG  
CCTGGGCCAGGAGAGCCACCTCCAGCTCAACAAGAAGCTGAATCAACACCTGCGGCCAGGCTAAACCTG  
GAGCCAAAAGGGAGCCATCTGCCCGACTGAATCTACGTCCCAAGAGACACCTGAACAGTCAGACAAGCA  
AACACGCCAGTCCAGGGAGCCAAATCCAAGCAGGGATCTTTGACAGAGCTGGGATTTCTAACAAAACCT  
CAGGAATATCCATACAGCGATCAGCCCTAGAGTGGAAGGCATTTCTGAGTGGGTACAGATTCTGAGT  
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TGGGAAAACGGCCAGCGGCTGTGAGGCGTTTTTGCCGGTGTACGGGAGCAGGCGCTGGGCTGGAGCCG  
GCCCTGGGCCGCTGCTGGGTGTGGCGACCTCTTTGACCTGGACCCAGAGACACCGGCCAACGGGTACC  
GCAGCCTAGTGCACACAGCCCGCTGCTGCCTGGCGACCTCCTGCACAAAATCCCGCTATGTGGCCTCCAA  
CCGCCGACGATCTTCTCCGACACAGCCACAACCTGGCCGAGCTGGAGGCTACCTGGCTGCCCTCACC  
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AGGGCAGCAGGGGCTCACCGCGACTTCTCCGGGAGTATGTCAGCTGCATAAGGGATGCTTCTATGG  
CCGCTGCCTGGGCTTCCAGTTCACGCCTGCCATCCGGCATTCTGCAGACCATCTACATTGGGCTGGT



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TCCTTCGGGGAGCACTACAAACGCAACGAGACAGGCCTCAGTGTGGCCGCCAGCTCTCTTCCACCAGCG  
 GCCGCTTGGCCATCGACCCCGAGCTGCGTGGGGCTGAGTTTGGCGGATCACACAGAACCTGGACGTGCA  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC209729 protein sequence  
 Red=Cloning site Green=Tags(s)

MEPGSKSVSRSDWQPEPHQRPIITPLEPGPEKTPIAQPESKTLQGSNTQQKPASNQRPLTQQETPAQHDAE  
 SQKEPRAQQKSASQEEFLAPQKPAPQQSPYIQRVLLTQQEASQQGPGLGKESITQQEPALRQRHVAQPG  
 PGPGEPPPAQQEAEESTPAAQAKPGAKREPSAPTESTSQTPEQSDKQTPVQGAQSKQGSLELGLTKL  
 QELSIQRSALWKALSEWVTDSESESDVGSSTDSPTMGGMVAQGVKLGFKGKSGYKVMMSGYSGTSPH  
 EKT SARNRHRYQDTASRLIHNMDLRTMTQSLVTLAEDNIAFFSSQGPGETAQRLSGVFAVGREQALGLEP  
 ALGRLLGVAHLFDLPETPANGYRSLVHTARCCLAHLLHKSRYVASNRRSIFFRSHNLAELEAYLAALT  
 QLRALVYVAQRLLVTNRPGVLFEGDEGLTADFLREYVTLHKGCFYGRCLGFQFPAIRPFLQTIYIGLV  
 SFGEHYKRNETGLSVAASSLFTSGRFAIDPELGAEFERITQNLVHFWKAFWNITEMEVLSSLANMASA  
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 LELWPRPQQAPRSRSLIVFHGGGFVAQTSRSHEPYLKSWAQELGAPIISIDYSLAPEAPFPRALEECCF  
 AYCWAIKHCALLGSTGERICLAGDSAGGNLCFTVALRAAAYGVRVPDGIMAAYPATMLQPAASPSRLLSL  
 MDPLLPVLSKCVSAYAGAKTEDHSNSDQKALGMMGLVRRDTALLLRDFRLGASSWLNFLLELSGRKSQ  
 KMSEPIAEPMRRSYSEAAALAPQGPLGTDLSLNLTLRDLRLRGNSETSSDTPMSLSAETLSPSTPSDVN  
 FLLPPEDAGEEAEAKNELSPMDRGLGVRAAFPEGFHPRRSSQGATQMPLYSSPIVKNPFMSPLLAPDSML  
 KSLPPVHIVACALDPMLDDSVMLARRLRNLGQPVTLRVVEDLPHGFLTLAALCRETRQAELCVERIRLV  
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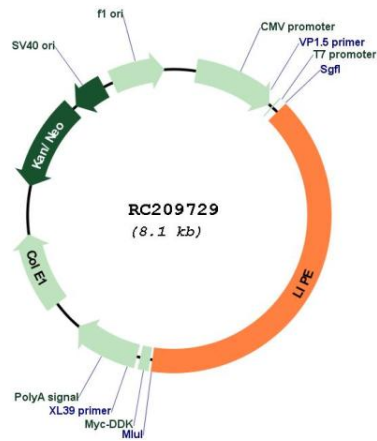
**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6220\\_d06.zip](https://cdn.origene.com/chromatograms/mk6220_d06.zip)

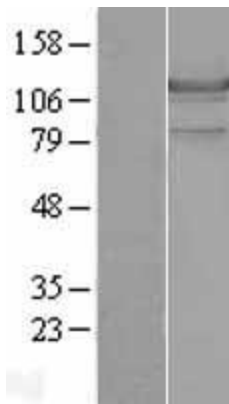


**UniProt ID:** [Q05469](#)  
**Cytogenetics:** 19q13.2  
**Protein Pathways:** Insulin signaling pathway  
**MW:** 116.6 kDa  
**Gene Summary:** The protein encoded by this gene has a long and a short form, generated by use of alternative translational start codons. The long form is expressed in steroidogenic 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]

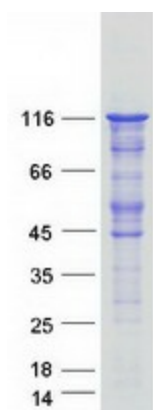
**Product images:**



Circular map for RC209729



Western blot validation of overexpression lysate (Cat# [LY417354]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209729 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LIPE protein (Cat# [TP309729]). The protein was produced from HEK293T cells transfected with LIPE cDNA clone (Cat# RC209729) using MegaTran 2.0 (Cat# [TT210002]).