

## Product datasheet for **RR209575**

### Elovl6 (NM\_134383) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Elovl6 (NM\_134383) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Elovl6  
**Synonyms:** Lce2; rELO2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209575 representing NM\_134383  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGAACATGTCAGTGTGACTTTACAAGAATATGAATTCGAGAAGCAGTTCAACGAGAATGAAGCCATCC  
AATGGATGCAGGAAAACCTGGAAGAAATCTTTCCTGTTTCTGCGCTGTACGCTGCCTTTATTTGGTGG  
TCGGCATCTGATGAACAAGCGGGCCAAGTTTGAAGTGGGAAGCCGCTCGTGCTCTGGTCACTGACTCTT  
GCGGTCTTCAGTATATTCGGTGTCTTCGAACTGGTGCTTACATGCTGTACATTTTGATGACCAAAGGCC  
TGAAGCAGTCAGTTTGTGACCAGAGTTTTTACAACGGACCTGTCAGCAAATTCGGGCTTACGCGTTTGT  
GCTCAGCAAAGCACCCGAAGTAGGTGATACGATATTCATCATTCTGAGGAAGCAGAAGCTGATCTTCCTG  
CACTGGTACCACCACATCACTGTGCTCCTGTACTCTTGGTACTCCTACAAAGACATGGTAGCTGGGGTG  
GTTGGTTCATGACTATGAACTATGGCGTACACGCCGTCACTGTACTCTTACTACGCCTTGGGGCTGCGGG  
TTTCCGGTCTCCCGAAGTTTGCCATGTTCACTACGTTGTCCAGATCACTCAGATGCTGATGGGCTGT  
GTCATTAACCTGCTCTCACTGGATGCAGCATGACAATGACCAGTGCTACTCCACTTTTCAGAACA  
TCTTCTGGTCTCACTCATGTACCTCAGCTACCTTCTGCTCTTCTGCCATTTCTTCTTTGAGGCCATACAT  
CGGCAAAGTGAAGAAAGCGACGAAGCCGAG

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

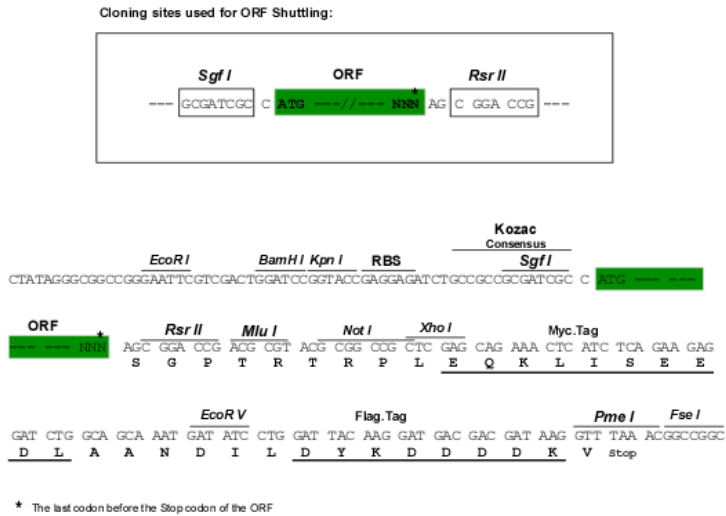
**Protein Sequence:** >RR209575 representing NM\_134383  
Red=Cloning site Green=Tags(s)

MNMSVLTLQEYEFKQFNENEAIQWMQENWKSFLFSALYAIFGGRHLMNKRAKFAELRKPLVLSLTL  
 AVFSIFGALRTGAYMLYILMTKGLKQSVCDQSFYNGPVSKEFWAYAFVLSKAPELGDTIFIIILRKQKLIFL  
 HWYHHITVLLYSWYSYKDMVAGGGWFMTMNYGVHAVMYSYALRAAGFRVSRKFAMFITLSQITQMLMGC  
 VINYLVFNMQHDNDQCYSHFQNIWFSSLMYLSYLLLFCHFFFEAYIGKVKKATKAE

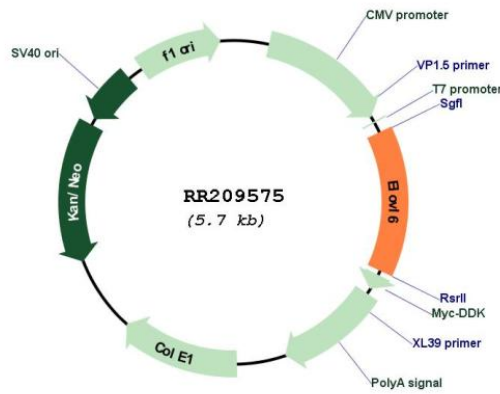
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_134383  
**ORF Size:** 801 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_134383.2</a> , <a href="#">NP_599210.1</a>
<b>RefSeq Size:</b>	2490 bp
<b>RefSeq ORF:</b>	804 bp
<b>Locus ID:</b>	171402
<b>UniProt ID:</b>	<a href="#">Q920L6</a>
<b>Cytogenetics:</b>	2q42
<b>MW:</b>	31.6 kDa
<b>Gene Summary:</b>	mouse homolog is a long chain fatty acyl elongase [RGD, Feb 2006]