

## Product datasheet for RR200559

### Elov15 (NM\_134382) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Elov15 (NM_134382) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Elov15
Synonyms:	rELO1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200559 representing NM_134382 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAACATTTTCGATGCGTCACTCAGTACCTATTTTCAGGGCATTACTGGGCCCCGAGACACACGAGTCA  
AAGGATGGTTTCTTCTGGACAATTACATCCCTACGTTTGTCTGCTCTGCCATTTATTTACTCATCGTGTG  
GCTGGGACAAAATACATGAAAAACAGGCAGCCGTTCTCTTGCCGAGGCATCCTGGTGGTATAATCTT  
GGGCTCACCTGCTGTCTCTACATGTTCTATGAGTTGGTGACAGGTGTGTGGGAAGGCAAATACAAC  
TCTTCTGTGAGGAAACACGCAGCGCAGGAGAATCAGATATGAAGTTATTCGTGTCTCTGGTGGTACTA  
CTTTTCCAAACTCATAGAATTCATGGACACCTTTTCTTCTTCTCGTAAGAACAACCACCAGATCACA  
GTCCTGCACGCTACCACCATGCCACTATGCTCAACATCTGGTGGTTTGTGATGAAGTGGTTCCCTGCG  
GCCATTCGTAATCGGTGCGACGCTCAACAGCTTCATCCACGTCCTCATGTAAGTGGTCCCTGTC  
CTCTGTCCCTCCATGCGTCCCTACCTCTGGTGGAAAAAGTACATCACTCAGGGGAGCTGGTCCAGTT  
GTGCTGACAATCATCCAGACCAGCTGCGGGTCACTGCGCCGTGCTCCTCCCTCTCGGGTGGCTGTACT  
TCCAGATCGGATACATGATTTCCCTGATTGCTCTCTTCAAACTTCTACATTGAGATACAACAAGAA  
AGGGGCTCTCGGAGAAAGAGCACCTGAAGGGCCACCAGAACGGTCTATGACTGCCGTCATGGACAC  
ACCAACAACCTTTGCTTCCCTGGAGAACAGTGTGACGTCGAAGGAAGCAGCGGAAGGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR200559 representing NM\_134382  
 Red=Cloning site Green=Tags(s)

MEHFDASLSTYFRALLGPRDTRVKGWFLLDNYIPTFVCSAIYLLIVWLGPKYMKNRQPFSCRGILVVYNL  
 GLTLLSLYMFYELVTGVWEGKYNFQCGTRTSAGESDMKIVIRLVWYFYSKLIIEFMDTFFFILRKNNHQIT  
 VLHVVYHATMLNIWWFVMNWVPCGHSYFGATLNSFIHVLMSYSYGLSSVPSMRPYLWKKYITQGQLVQF  
 VLTIIQTSCGVIWPCSFPLGWL YFQIGYMISLIALFTNFYIQTYNKKGASRRKEHLKGHQNGSMTAVNGH  
 TNNFASLENSVTSRKQRKD

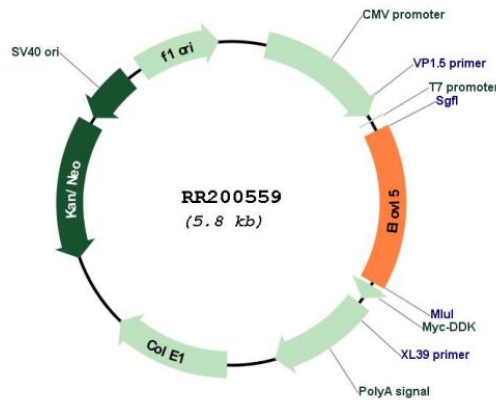
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_134382

ORF Size: 897 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_134382.1</a> , <a href="#">NP_599209.1</a>
<b>RefSeq Size:</b>	900 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	171400
<b>UniProt ID:</b>	<a href="#">Q920L7</a>
<b>Cytogenetics:</b>	8q31
<b>MW:</b>	35.2 kDa
<b>Gene Summary:</b>	human homolog is involved in the elongation of long-chain polyunsaturated fatty acids [RGD, Feb 2006]