

Product datasheet for **RC238466**

LENG9 (NM_001301782) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LENG9 (NM_001301782) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LENG9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238466 representing NM_001301782
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCAGCGGCCAGAGAGCCGAGTTGCCGAGGAAGCCCCGCCACGGAACCCGCGCCCCCGCGCCT
 GCCGCTTCTTCTGGAAGGCCGCTGCCGCTTCGGCGCCCGCTGCCGCCAGCCCCACCCTGGGGCGCCGGC
 GCCGCTTGGCGCGAGGCGCAGCCGAGGCCGGGCAAGAAGCCGCGCTGCGCACAGCCGCGGACGTC
 ATCCAGCGCATCCGCTGGGACCCGCGCTCGACCCGCCGACTTCTCGGTGGGCTACGTCGACCGCTTTC
 TGGGTGTGCGGAGGAGCCCTTTCAGCGCTTTTGTGGGACCAGCCGCTGGCGGCGCTGGGCGGGCGT
 GCTGGCAGTGCCCGACCGCTGCGCTTCTCCGCTTCGTTGGCGCCTTGTGTGGGACCGCGCTCG
 CGACCGACCTCGTCTTGGCTCTGGCTCGGCGGGGACGCGGGCCACCATCTGGACGACCGAACA
 CCGAGGGCGCCACGGGCGAGGGTGCCGAGTGGACTGGCGGGGACAGGTGAGGAGGCCAGGCTGC
 CCCCAGCGAGGAGACAAGGCCGCTTGCACAGGGCACCAGGAACAGGCGTGGAGGAACCCGGAGAG
 CTGGAGGCGGCCAGGAGAGGGCGCTGGGCACAGCTGCTGATTTGGGAACACTGGCCCCAAGAGGAGGCC
 TCGCCGGAGTGACTGAGGCACTGAAGCCAACAGCAGCCACCAGGACCACATTGCTGGGGGCAAGGAAGC
 ACAGGCCCTGGGAGTCCCGGGGGCTCCGCTGAGACGACAGAAGCCGAGTGGGGTCTGCGGCTGGCC
 GAGGACAAAAGGGCCCGCTTAGTGTGACGCCCTTGCCAACCGCGCCACACATTTTGTGGCCCTCA
 TGGTGACCGAGCTGGGTACAAGCAGAAGTGACCAAGGCCAGGAATACCTGGTCCACGTGGCCCCACA
 CTGCGCCAACCTCTAGTGCCCTCTCAGAACCTACACCTGACCTGGCCCTGTGCGACTGGCAGGCGT
 GGGGAGGAGGCCGCTGCCATTGGAGCTCTGAGACGGGCCCTTGGCCCCGGGGCTAAATGCACCCCTC
 GGCTGAGCTTTAGAAAGCTGGTCTCTCTGGGCCGCGATGTGCTGTGTGCCCAACCTCTCCCACTGGA
 AAGCATGGCACAAGTGCTGAGCCAGAGGCTGGAAGCCGAGGGGCTGAGTACACTACAGTCTCCAGGGCAG
 CTGCACCCCACTCACCGTGGCCAAGGTGCCCATGTTCCAGGTCCACCTCCCAAGCTGGAGTTCA
 CCCTCAGCCAGGAAGTGGGTGCCAGCCCTGCAGACACTCTGGCTGTGCCGTATAGGGAGGACAGGGG
 GCCTTTCCAGCCCTGGCTGAGATCCCCCTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238466 representing NM_001301782
 Red=Cloning site Green=Tags(s)

MAAAREPELPQEAPATEPAPPPACRFFLEGRCRFGARCRQPHPGAPAPPGREAQPEAGAKKPLRTAADV
 IQRIRWDPRLDPADFSVGYVDRFLGVREEPFSAFCDWDQPLAALGPGVLAVPQHRVRFRRFRGRLVWDRAS
 RTDLVFGSGSAAGRGPTILDAPNTEGAHGAEGAEWTLAGTGQEAQAAPKRGSTRPLCTGHQEPGVEEPGE
 LEAAQERALGTAADLGTAPRGRLAGVTEALKPTAATRTTLLGGKEAQAALGVPGGSAAETTEAEWGPAAWP
 EDKRARLSVAAPCQPRPTHFVALMVTEPLQAEVTKAQEYLHVHAPHCANFLVPSQNLHLTLALLRLAGA
 GEEAAAIGALRRALLAPGLNAPPRLSFRKLVLLGPHVLCAPPSPTLESMAQVLSQRLEAEGSTLQSPGQ
 LHPHLTVAKVPHGSQVHLPKLEFTLSQEVGCQPLQLWLCRIGRTGGPFQPLAEIPLE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001301782

ORF Size: 1434 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001301782.2](#)

RefSeq Size: 1927 bp

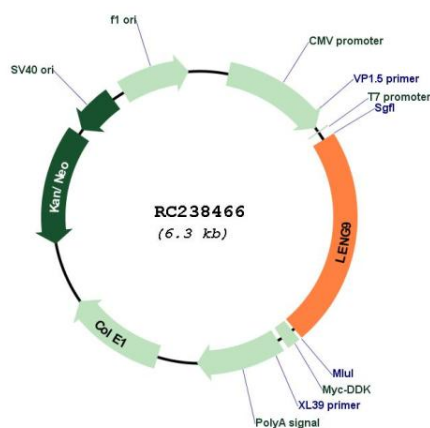
RefSeq ORF: 1437 bp

Locus ID: 94059

Cytogenetics: 19q13.42

MW: 51.2 kDa

Product images:



Circular map for RC238466