

## Product datasheet for SC116930

### ENDOGL1 (EXOG) (NM\_005107) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ENDOGL1 (EXOG) (NM_005107) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENDOGL1
Synonyms:	ENDOGL1; ENDOGL2; ENGL; ENGL-a; ENGL-b; ENGLA; ENGLB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116930 sequence for NM_005107 edited (data generated by NextGen Sequencing)

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ATGGCTATCAAGAGTATCGCTTCCCGCCTCCGGGTTCCCGTCGTTTTCTGAGCGGCTTC
GTGGCTGGGGCTGTAGTGGGCGCTGCGGGAGCTGGGCTCGCGCCCTGCAGTTCTTCCGG
AGTCAGGGCGCTGAGGGAGCGTTGACAGGGAAGCAGCCGATGGATCTGCAGAAAAGGCT
GTCTTGGAACAATTTGGATTCCCTTTAACTGGAACAGAGGCAAGGTGTTACACTAATCAC
GCTTTGTCTTATGATCAGGCAAAGCGGGTGCCTAGATGGGTTCTTGAACATATTTCCAAA
AGCAAGATAATGGGTGATGCAGACAGAAAGCATTGTAAATTTAAGCCTGATCCCAATATC
CCTCCAACCTTCAGTGCCTTCAATGAAGATTATGTTGGAAGTGGGTGGTCACGAGGACAC
ATGGCTCCAGCAGGAAATAACAAATTTTCAAGTAAAGCCATGGCTGAAACCTTTTACCTT
TCTAACATTGTGCCTCAGGATTTTGATAATAATTCTGGATATTGGAACAGAAATAGAAATG
TACTGTGAGAGCTGACAGAAAGTTTTGAAGATGTTGGGTGGTATCTGGGCCTTTGACC
TTACCTCAGACTAGAGGCGATGGAAGAAAATAGTTAGTTACCAGGTGATTGGCGAGGAC
AACGTGGCAGTCCCCTCACACCTTTATAAGGTAATCCTGGCCCGCAGAAGCTCAGTATCT
ACCGAACCAGTGGCGCTAGGGGCCTTTGTGGTACCCAATGAAGCCATCGGCTTCCAGCCC
CAGTTAACTGAATTCCAAGTGAGCCTCCAGGACCTAGAGAAGTTGTCAGGACTGGTGTTT
TTTCTCATTTGGATAGAAGTGTGATATCCGGAATATCTGCTCTGTGGACACCTGTAAG
CTCCTGGATTTCCAGGAGTTCACCTTGTACTTGAGTACAAGAAAGATTGAAGGAGCCGA
TCAGTGCTCAGACTGAAAAGATCATGAAAACCTGAAGAATGCAGAGATTGAACCAGAT
GATTACTTTATGAGTCGCTATGAGAAGAAGCTAGAAGAAGCTCAAAGCTAAGGAGCAGTCA
GGAACCCAGATAAGAAAGCCATCCTAG

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Clone variation with respect to NM\_005107.3



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005107 unedited  
 GCATTTGTATACGACTCACTTATAGGGCGGCCGATTCCGGCACGAGGCTCGGGCAAGAT  
 GGCTATCAAGAGTATCGCTTCCCGCCTCCGGGGTCCCGTCGTTTTCTGAGCGGCTTCGT  
 GGCTGGGGCTGTAGTGGGCGCTGCGGGAGCTGGGCTCGCGGCCCTGCAGTTCTTCCGGAG  
 TCAGGGCGCTGAGGGAGCGTTGACAGGGAAGCAGCCGGATGGATCTGCAGAAAAGGCTGT  
 CTTGGAACAATTTGGATTCCCTTTAACTGGAACAGAGGCAAGGTGTTACACTAATCACGC  
 TTTGCTTATGATCAGGCAAAGCGGGTGCCTAGATGGGTTCTTGAACATATTTCCAAAAG  
 CAAGATAATGGGTGATGCAGACAGAAAGCATTGTAATTTAAGCCTGATCCCAATATCCC  
 TCCAACCTTCAGTGCCTTCAATGAAGATTATGTTGGAAGTGGTGGTACAGGACACAT  
 GGCTCCAGCAGGAAATAACAAATTTTCAAGTAAAGCCATGGCTGAAACCTTTTACCTTTC  
 TAACATTGTGCCTCAGGATTTTGATAATAATTCTGGATATTGGAACAGAAATAGAAATGTA  
 CTGTGAGAGCTGACAGAAAGGTTTGAAGATGTTGGTGGTATCTGGCCTTTGACCTT  
 ACCTCAGACTAGAGCGATGGAAGAAAATAGTTAGTTACCAGGTGATTGGCGAGGACAA  
 CGTGGCAGTCCCCTCACACCTTTATAAGGTAATCTGGCCCGCAGAAGCTCAGTATCTAC  
 CGAACCCTGGCCTAGGGGGCCTTTGTGGTACCCNATGAAGNCCATCGCTTNCAGNCCC  
 AGTTAACTGAATTCAGTGAGCCTCCAGGACTANAGAAAGTGTCAGGACTGGTGTTTTTT  
 CCTCATTTGGAAGAACTAGTGAATTCGGAATATCTGCTCTGTGGACACTGTAA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005107 unedited  
 CGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTTTTGGAGACAGGGTCTCCCTCTG  
 TGGCCCAGGCTGGCGTCCAGTGGCATGACCATGTCCCATCGCAGCCTTGACCTGCCAGGC  
 TCAAGCAATCCTCCATTTCCAGCTCCCGAGTAGCTGGGACTACAGGTGTCACCACCAC  
 GCCCAGCTAATTTTTGTATTTTTTTGTAAGATAGGGTTTCATTATGTTGCCCAGGCTGG  
 TCTCAAACCTCCTGGGCTCAAGCGATCCACCCACCTCGATTTCCCAAAGTGTGAGATTAT  
 AGGCCTGAGCCACCATGCCTGGCTGCAGATCCTTCATAGGTTTCTTAATCTTAAGAACAA  
 AAAGCTCACCTGGAAAGCAAGAACACATCAATTTGGCAGTATCTGGTCACTAAAAGAACT  
 GTATCTCTGGAGGCAAGCATGGGCTCTAATAAACCCCAAAAGTATTGCCGTCTAATTCC  
 CAAATATTCCTGACTGTCTTTCCACAGAGCTAAAGAGGGTTCAATTCAAAGAACATTA  
 AAGTCCCTTTGGCTTGCATAGCAGACGAGAAACCAGACTCTTCTTGCCAAGCATGCCTCA  
 GGCCCAAAATACCCATGGAAATAGGTATATATTTCTTGAGTAAAAGCCACCATCCATG  
 TCAGAAAAGATTTGAATCTACCTCAGCTGTCTTTCTTTCTTTAGATCTGTCTGCCCTCA  
 ACTTTGTGGGATGACTACTTTGGAAAAGTGAACCTCAGGAAGAACTAAGCTCTCTAAA  
 CCTAATTTTCTCACGGTAAAAGGGGATAGTGTGTTTACCTCTGAAAGTCTTGTGAGAA  
 AACACATGTAAAGCACTGAGCCCTGATTATAAACCCATTTAAGAGCACGAACCTATTGC  
 TGGATGCTCTTTCGCGGACGGATTTAGAAACCAGCCTCTTCTGGCGAGGAAAATAAAACC  
 ATATATTCGCCTGGGACCAGAACCCCAAAGTCTC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_005107

**Insert Size:**

2820 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).

**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.

**RefSeq:** [NM\\_005107.1](#), [NP\\_005098.1](#)

**RefSeq Size:** 1460 bp

**RefSeq ORF:** 1107 bp

**Locus ID:** 9941

**UniProt ID:** [Q9Y2C4](#)

**Cytogenetics:** 3p22.2

**Domains:** Endonuclease

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Apoptosis

**Gene Summary:** This gene encodes an endo/exonuclease with 5'-3' exonuclease activity. The encoded enzyme catalyzes the hydrolysis of ester linkages at the 5' end of a nucleic acid chain. This enzyme is localized to the mitochondria and may play a role in programmed cell death. Alternatively spliced transcript variants have been described. A pseudogene exists on chromosome 18. [provided by RefSeq, Feb 2009]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.