

Product datasheet for **SC326557**

ENDOGL1 (EXOG) (NM_001145464) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENDOGL1 (EXOG) (NM_001145464) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXOG
Synonyms:	ENDOGL1; ENDOGL2; ENGL; ENGL-a; ENGL-b; ENGLA; ENGLB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326557 representing NM_001145464. Blue=Insert sequence Red=Cloning site Green=Tag(s)

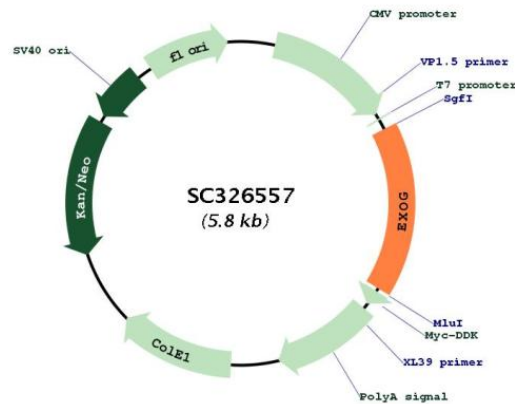
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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTATCAAGAGTATCGCTTCCCGCCTCCGGGGTTCCTGCGTCTTTCTGAGCGGCTTCGTGGCTGGG
GCTGTAGTGGGCGCTGCCGGAGCTGGGCTCGCGGCCCTGCAGTCTTCCGGAGTCAGGGCGCTGAGGGA
GCGTTGACAGGGAAGCAGCCGGATGGTATGCAGACAGAAAGCATTGTAATTTAAGCCTGATCCCAAT
ATCCCTCAACCTTCAGTGCCTTCAATGAAGATTATGTTGGAAGTGGTGGTCACGAGGACACATGGCT
CCAGCAGGAAATAACAAATTTTCAAGTAAAGCCATGGCTGAAACCTTTTACCTTTCTAACATTGTGCTT
CAGGATTTTGATAATAATTCTGGATATTGGAACAGAATAGAAATGTACTGTCGAGAGCTGACAGAAAGG
TTTGAAGATGTTTGGGTGGTATCTGGGCCCTTTGACCTTACCTCAGACTAGAGGCGATGGAAGAAAATA
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TTCCAGCCCCAGTTAACTGAATTCGAAGTGAAGCTCCAGGACCTAGAGAAGTTGTGAGGACTGGTGT
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TTCCAGGAGTTCACCTTGTACTTGAGTACAAGAAAGATTGAAGGAGCCCGATCAGTGCTCAGACTGGAA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001145464

Insert Size: 957 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001145464.1](#)

RefSeq Size: 2996 bp

RefSeq ORF: 957 bp

Locus ID:	9941
UniProt ID:	Q9Y2C4
Cytogenetics:	3p22.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Apoptosis
MW:	35.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region. The encoded isoform (2) is shorter than 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.</p>