

## Product datasheet for **SC316277**

### **SAP97 (DLG1) (NM\_001098424) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SAP97 (DLG1) (NM_001098424) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLG1
Synonyms:	DLGH1; hdlg; SAP-97; SAP97
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

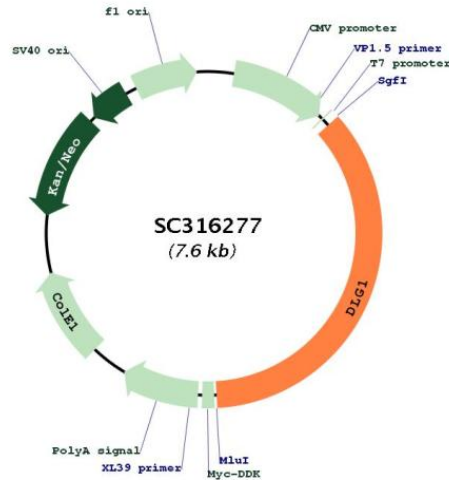


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Fully Sequenced ORF: >SC316277 representing NM\_001098424.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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CAGGCTTTAATAGATATTCAAGAATTTTATGAAGTGACCTTACTGGATAATCCAAAATGTATAGATCGT
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Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001098424

**Insert Size:** 2715 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\\_001098424.1](#)

**RefSeq Size:** 4968 bp

**RefSeq ORF:** 2715 bp

**Locus ID:** 1739

**UniProt ID:** [Q12959](#)

**Cytogenetics:** 3q29

<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	T cell receptor signaling pathway
<b>MW:</b>	100.5 kDa
<b>Gene Summary:</b>	<p>This gene encodes a multi-domain scaffolding protein that is required for normal development. This protein may have a role in septate junction formation, signal transduction, cell proliferation, synaptogenesis and lymphocyte activation. A multitude of transcript variants deriving from alternative splicing and the use of multiple alternate promoter have been observed, including some splice variants that may be specific to brain and other tissues. An upstream uORF may regulate translation at some splice variants of this gene. [provided by RefSeq, Sep 2018]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>