

## Product datasheet for RC200623L3

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**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

## DAD1 (NM\_001344) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: DAD1 (NM\_001344) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: DAD1

Synonyms: OST2

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

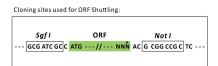
E. coli Selection: Chloramphenicol (34 ug/mL)

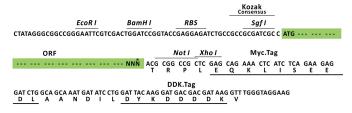
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200623).

Sequence:

**Restriction Sites:** Sgfl-Notl

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001344

ORF Size: 339 bp





## DAD1 (NM\_001344) Human Tagged Lenti ORF Clone - RC200623L3

**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.

**RefSeq:** <u>NM 001344.1</u>

 RefSeq Size:
 699 bp

 RefSeq ORF:
 342 bp

 Locus ID:
 1603

 UniProt ID:
 P61803

 Cytogenetics:
 14q11.2

Domains: DAD

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Metabolic pathways, N-Glycan biosynthesis

MW: 12.3 kDa

**Gene Summary:** DAD1, the defender against apoptotic cell death, was initially identified as a negative

regulator of programmed cell death in the temperature sensitive tsBN7 cell line. The DAD1 protein disappeared in temperature-sensitive cells following a shift to the nonpermissive temperature, suggesting that loss of the DAD1 protein triggered apoptosis. DAD1 is believed to be a tightly associated subunit of oligosaccharyltransferase both in the intact membrane and in the purified enzyme, thus reflecting the essential nature of N-linked glycosylation in

eukaryotes. [provided by RefSeq, Jul 2008]