

Product datasheet for SC312634

APOLD1 (NM_030817) Human Untagged Clone

Product data:

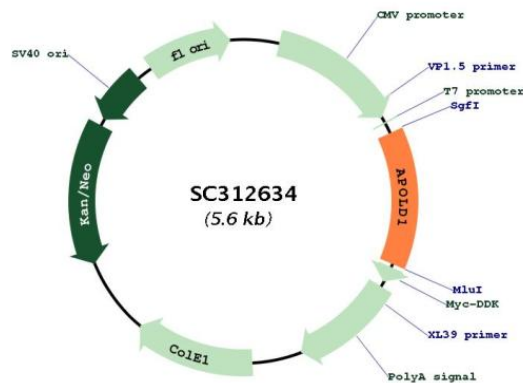
Product Type:	Expression Plasmids
Product Name:	APOLD1 (NM_030817) Human Untagged Clone
Tag:	Tag Free
Symbol:	APOLD1
Synonyms:	VERGE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312634 representing NM_030817. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGAATGGAGAGGCCGGCGGCCGGGAGCCGCATGGGCCGACGCGCTGCGGCGCTTCCAGGGACTG
CTGCTGGACCGCCGAGGCCGGCTGCACGGCCAGGTGCTGCGCCTGCGCGAGGTGGCCCGCGCCTGGAG
CGCCTGCGCAGGCGCTCCCTCGTAGCCAACGTGGCCGCGCAGCTCGCTGAGCGCAACGGGCGCCCTCGCC
GCCATCGTGGGGCTCTCGCTCAGCCCGGTACCCTGGGGACCTCGCTGCTGGTGTGCGCCGTGGGGCTG
GGGGTGGCCACAGCCGGAGGGGCCGTACCATCACGTCCGATCTCTCGTGATCTTCTGCAACTCCCGG
GAGCTGCGGAGGGTGCAGGAGATCGCGCCACCTGCCAGGACCAGATGCGAGAGATCCTGAGCTGCCTC
GAGTTTTTCTGCCGCTGGCAGGGCTGCGGGGACCGCCAGCTGCTGCAAGTGCGGGAGGAACGCCTCCATC
GCCCTGTACAATTCTGTCTACTTCATCGTCTTCTTTGGCTCACGTGGCTTCTCATCCCCAGGCGGGCG
GAGGGGGACACCAAGGTTAGCCAGGCCGTGCTGAAGGCCAAGATTAGAACTGGCCGAGAGCCTGGAG
TCCTGCACCGGGCTCTGGACGAACTCAGCGAGCAGCTGGAGTCTCGGGTTCAGCTCTGCACCAAGTCC
AGTCGTGGCCACGACCTCAAGATCTCTGCTGACCAGCGTGCAGGGCTGTTTTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_030817

Insert Size: 747 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_030817.2](#)

RefSeq Size: 4660 bp

RefSeq ORF: 747 bp

Locus ID: 81575

UniProt ID: [Q96LR9](#)

Cytogenetics: 12p13.1

Protein Families: Transmembrane

MW: 27.1 kDa

Gene Summary: APOLD1 is an endothelial cell early response protein that may play a role in regulation of endothelial cell signaling and vascular function (Regard et al., 2004 [PubMed 15102925]). [supplied by OMIM, Dec 2008]
Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region, compared to variant 1. The resulting isoform (2) contains a distinct N-terminus and 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 extent of this transcript is supported by transcript alignments.