

Product datasheet for **SC325704**

APOLD1 (NM_001130415) Human Untagged Clone

Product data:

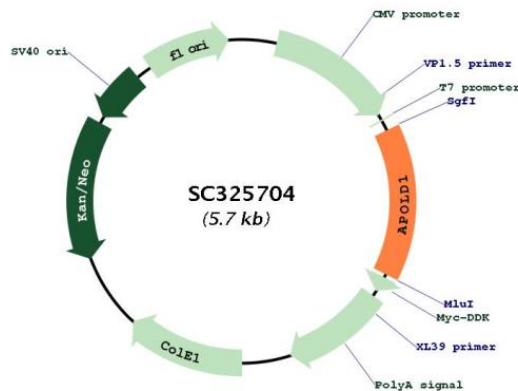
Product Type:	Expression Plasmids
Product Name:	APOLD1 (NM_001130415) Human Untagged Clone
Tag:	Tag Free
Symbol:	APOLD1
Synonyms:	VERGE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325704 representing NM_001130415. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTCCGCGCGCGTGTCAACGGCTGCGGGCCAGGGTACTCGGAAGGCGGGCAGGAGCCTGGCGA
GGATGCACCTTCCCCTGCCTTGGAAAGGGAATGGAGAGGCGGCGCCGGGAGCCGCATGGGCCCGAC
GCGCTGCGGGCGTCCAGGGACTGCTGCTGGACC GCCAGGCGGCTGCACGGCCAGGTGCTGCGCCTG
CGCGAGGTGGCCCGCGCCTGGAGCGCCTGCGCAGGCGCTCCCTCGTAGCCAACGTGGCCGGCAGCTCG
CTGAGCGCAACGGGCGCCCTCGCCGCCATCGTGGGGCTCTGCTCAGCCCGGTACCCTGGGGACCTCG
CTGCTGGTGTGCGCCGTGGGGTGGGGGTGGCCACAGCCGAGGGGCGTCACCATCACGTCCGATCTC
TCGCTGATCTTCTGCAACTCCCAGGAGCTGCGGAGGGTGCAGGAGATCGCGGCCACTGCCAGGACCAG
ATGCGAGAGATCCTGAGCTGCCTCGAGTTTTTCTGCCGCTGGCAGGGCTGCGGGGACCGCAGCTGCTG
CAGTGGCGGAGGAACGCCTCCATCGCCCTGTACAATTCTGTCTACTTTCATCGTCTTCTTTGGCTCACGT
GGCTTCTCATCCCCAGGCGGGCGGAGGGGGACACCAAGGTTAGCCAGGCCGTGCTGAAGGCCAAGATT
CAGAACTGGCCGAGAGCCTGGAGTCTGCACCGGGGCTCTGGACGAACTCAGCGAGCAGCTGGAGTCT
CGGGTTCAGCTTCGACCAAGTCCAGTCTGGCCACGACCTCAAGATCTCTGCTGACCAGCGTGCAGGG
CTGTTTTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001130415

Insert Size: 840 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_001130415.1](#)

RefSeq Size: 4752 bp

RefSeq ORF: 840 bp

Locus ID: 81575

UniProt ID: [Q96LR9](#)

Cytogenetics: 12p13.1

Protein Families: Transmembrane

MW: 30.5 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 (1) represents the longer transcript and encodes the longer 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.