

Product datasheet for **RG225381**

APOLD1 (NM_001130415) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APOLD1 (NM_001130415) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	APOLD1
Synonyms:	VERGE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225381 representing NM_001130415 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCGCGCGCGTGTACCCGGCTGCGGGCCAGGGTACTCGGAAGGCGGGCAGGAGCCTGGCGAG
GATGCACCTTCCCCTGCCTTGGAAAGGGAATGGAGAGGCCGGCGGCCGGGAGCCGCATGGGCCGACGC
GCTGCGGCGCTTCCAGGGACTGCTGCTGGACCGCCGAGGCCGGCTGCACGGCCAGGTGCTGCGCCTGCGC
GAGGTGGCCCGCGCCTGGAGCGCTGCGCAGGCGCTCCCTCGTAGCCAACGTGGCCGGCAGCTCGTGA
GCGCAACGGGCGCCCTCGCCGCATCGTGGGGCTCTCGCTCAGCCGGTACCCTGGGGACCTCGTGT
GGTGTGCGCCGTGGGGTGGGGTGGCCACAGCCGGAGGGCCGTACCATCACGTCCGATCTCTCGCTG
ATCTTCTGCAACTCCCGGAGCTGCGGAGGGTGCAGGAGATCGCGGCCACCTGCCAGGACCAGATGCGAG
AGATCCTGAGCTGCCTCGAGTTTTTCTGCGCTGGCAGGGCTGCGGGGACCGCCAGCTGTGCAGTGCGG
GAGGAACGCCATCGCCCTGTACAATTCTGTCTACTTCATCGTCTTCTTTGGCTCACGTGGCTTCCCTC
ATCCCCAGGCGGGCGGAGGGGGACCAAGGTTAGCCAGGCCGTGCTGAAGGCCAAGATTAGAACTGG
CCGAGAGCCTGGAGTCTGCACCGGGCTCTGGACGAACCTCAGCGAGCAGCTGGAGTCTCGGGTTCAGCT
CTGCACCAAGTCCAGTCTGGCCACGACCTCAAGATCTCTGCTGACCAGCGTGCAGGGCTGTTTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225381 representing NM_001130415
 Red=Cloning site Green=Tags(s)

MFRAPCHRLRARGTRKARAGAWRGCTFPCLGKGMERPAAREPHGPDALRRFQGLLLDRRGRLHGQVLRRLR
 EVARRLERLRRRSLVANVAGSSLSATGALAAIVGLSLSPVTLGTSLLSAVGLGVATAGGAVTITSDLSL
 IFCNSRELRRVQIEAATCQDQMREILSCLFFCRWQCGDRQLQCGRNASIALYNSVYFIVFFGSRGFL
 IPRAEGDTKVSQAVLKAKIQKLAESLESCTGALDELSEQLSRVQLCTKSSRGHDLKISADQRAGLFF

TRTRPLE - GFP Tag - V

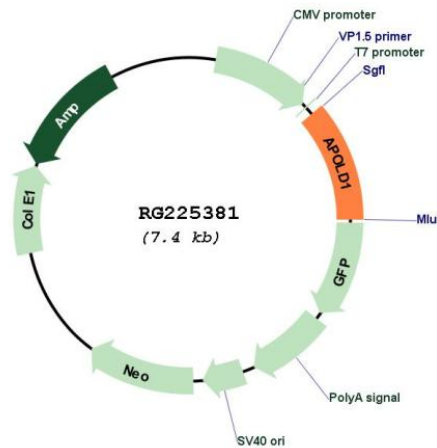
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001130415

ORF Size: 837 bp

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:	<ol style="list-style-type: none">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_001130415.2
RefSeq Size:	4752 bp
RefSeq ORF:	840 bp
Locus ID:	81575
UniProt ID:	Q96LR9
Cytogenetics:	12p13.1
Protein Families:	Transmembrane
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]