

Product datasheet for **RG214060**

Apolipoprotein O like (APOOL) (NM_198450) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Apolipoprotein O like
Synonyms:	CXorf33; FAM121A; Mic27; MICOS27; UNQ8193
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214060 representing NM_198450
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCCATCAGGATGGGAAAAGTACAACCATGCCTGCAGGTCTGATATATGCATCTGTAAGTGTAC
ATGCAGCCAAACAAGAGGAATCCAAAAGCAGCTAGTGAAACCAGAGCAGCTCCCCATATATACTGCACC
ACCGCTCCAGTCTAAATATGTTGAAGAGCAGCCTGGTCATTTACAAATGGGCTTTGCTTCCATCCGCACT
GCAACTGGTTGTTACATTGGCTGGTGCAAGGGTGTATGTCTTTGTGAAAAATGGGATAATGGATACAG
TACAATTTGGAAAAGATGCTTATGTCTATCTGAAGAATCCTCCTCGAGATTTTCTCCGAAAATGGGAGT
TATTACAGTTTCAGGATTGGCGGGCTTGGTTTCAGCGAGAAAAGGTTCCAAGTTTAAGAAAATTACTTAT
CCTCTGGGACTGGCCACTTTAGGAGCACTGTTTGCTACCCAGTTCAGTCCGTAATAATTGCTAAGGTAA
CAGCAAAAAGGTATATGCTACAAGCCAGCAAAATTTTGGAGCAGTTAAATCATTGTGGACAAAAGCAG
CAAAGAAGAGTCACTCCCTAAACCTAAAGAAAAAACTAAGCTAGGATCCTCTCCGAAATAGAACTACCT
GCAAAAACAACCTCACGTCTTGAACACTCAGTGCCTTGCCAAACAGAACTCAGCTCTGAAGCAAAAGACCA
AATCAGAATCCACTTCAGGTGCAACCCAGTTTATGCCTGACCCCAAGCTCATGGATCACGGGCAGTCCCA
CCCAGAAGATATAGATATGTACAGCACTAGAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG214060 representing NM_198450
 Red=Cloning site Green=Tags(s)

MAAIRMGKLTTPAGLIYASVSVHAAKQEESEKQLVKPEQLPIYTAPPLQSKYVEEQPGHLQMGFASIRT
 ATGCYIGWCKGVVYFVKNGIMDTVQFGKDAYVYLKNPPRDFLPKMGVITVSGLAGLVSAKGSKFKKITY
 PLGLATLGATVCYPVQSVIIAKVTAKKVYATSQQIFGAVKSLWTKSKEESLPKPKEKTKLGSSSEIEVP
 AKTTHVLKHSVPLPTELSSEAKTKSESTSGATQFMPDPKLMDHGQSHPEDIDMYSTRS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198450

ORF Size: 804 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_198450.6

RefSeq Size: 958 bp

RefSeq ORF: 807 bp

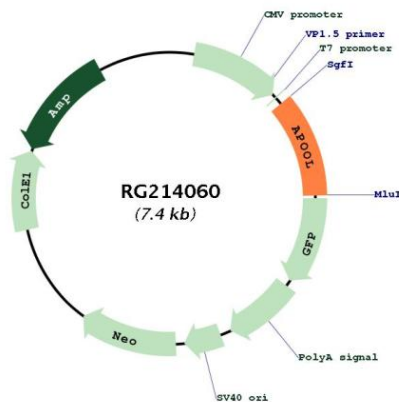
Locus ID: 139322

UniProt ID: Q6UXV4

Cytogenetics: Xq21.1

Gene Summary: This gene encodes a protein which contains an apolipoprotein O superfamily domain. This domain is found on proteins in circulating lipoprotein complexes. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RG214060