

Product datasheet for **RC214060**

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

Product data:

Product Type:	Expression Plasmids
Product Name:	Apolipoprotein O like (APOOL) (NM_198450) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apolipoprotein O like
Synonyms:	CXorf33; FAM121A; Mic27; MICOS27; UNQ8193
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214060 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCATCAGGATGGGAAAACGACAACCATGCCTGCAGGTCTGATATATGCATCTGTAAGTGTAC
ATGCAGCCAAACAAGAGGAATCCAAAAGCAGCTAGTAAAACAGAGCAGCTCCCATATATACTGCACC
ACCGCTCCAGTCTAAATATGTTGAAGAGCAGCCTGGTCATTTACAAATGGGCTTTGCTTCCATCCGCACT
GCAACTGGTTGTACATTGGCTGGTGAAGGGTGTATGTCTTTGTGAAAAATGGGATAATGGATACAG
TACAATTTGAAAAGATGCTTATGTCTATCTGAAGAATCCTCCTCGAGATTTTCTCCGAAAATGGGAGT
TATTACAGTTTCAGGATTGGCGGGCTTGGTTTCAGCGAGAAAAGTTCCAAGTTTAAAGAAAATTACTTAT
CCTCTGGGACTGGCCACTTTAGGAGCAACTGTTTGTACCCAGTTCAGTCCGTAATAATTGCTAAGGTAA
CAGCAAAAAGGTATATGCTACAAGCCAGCAAAATTTTGGAGCAGTTAAATCATTGTGGACAAAAGCAG
CAAAGAAGAGTCACTCCCTAAACCTAAAGAAAAACTAAGCTAGGATCCTCTTCCGAAATAGAAAGTACCT
GCAAAAACAACCTCACGTCTTGAACACTCAGTGCCTTGCCAACAGAAGTCAAGTCTGAAGCAAAGACCA
AATCAGAATCCACTTCAGGTGCAACCCAGTTTATGCCTGACCCCAAGCTCATGGATCACGGGCAGTCCCA
CCAGAAGATATAGATATGTACAGCACTAGAAGC

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC214060 protein sequence
Red=Cloning site Green=Tags(s)

MAAIRMGKLTTPAGLIYASVSVHAAKQEESEKQVLKPEQLPIYTAPPLQSKYVEEQPGHLQMGFASIRT
 ATGCYIGWCKGVYVFKNGIMDTVQFGKDAYVYLNKPPRDFLPKMGVITVSGLAGLVSARKGSKFKKITY
 PLGLATLGATVCYPVQSVIIAKVTAKKVYATSQQIFGAVKSLWTKSSKEESLPKPKKEKTKLGSSEIEVP
 AKTTHVLKHSVPLPTELSSSEAKTKSESTSGATQFMPDPKLMDHGQSHPEDIDMYSTRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6458_a10.zip

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.

RefSeq: [NM_198450.6](#)

RefSeq Size: 6479 bp

RefSeq ORF: 807 bp

Locus ID: 139322

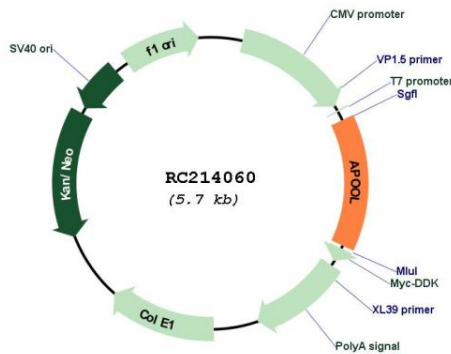
UniProt ID: [Q6UXV4](#)

Cytogenetics: Xq21.1

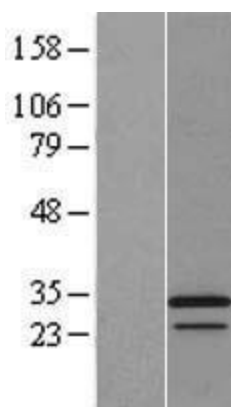
MW: 29.2 kDa

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 RC214060



Western blot validation of overexpression lysate (Cat# [LY404937]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214060 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).