

Product datasheet for **RG213205**

Apolipoprotein L 5 (APOL5) (NM_030642) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Apolipoprotein L 5
Synonyms:	APOL-V; APOLV
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG213205 representing NM_030642
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCATGTGGCAAACAAGGAAATTTGCAAGTTCCTGGTTCCAAGGTGTTACCTGGCTTGGGAGAAGGTT
GTAAAGAAATGTGGCTTCGAAAGGTAATCTACGGAGGTGAGGTCTGGGGGAAGTCCCCAGAACCTGAGTT
CCCCCTCACTCGTGAACCTGTGCCAGAGTTGGAATAAACAATTTGATGTCAACTGTCCACAGTGATGAG
GCTGGTATGCTGTCTACTTTCTGTTGAAGAGCTGATGCGATGTGACAAAGATTCCATGCCAGATGGAA
ATCTGTGACAGGAGGAAAAATGTTTCTCTCATATTTTCCTTTGCACAAGTTTGAGCTAGAACAGAACAT
CAAAGAACCTTAACACCCTTGCGGACCAAGTTGACACCACTCACGAGTTGCTTACCAAGACAGCCTGGTG
GCCAGCTCTTCGGGGCTGTTTCTGGGGTCATGAACATCCTGGGTTTGGCCCTAGCACCTGTGACAGCAG
GAGGCAGTCTCATGCTCTCAGCAACTGGGACAGGTTGGGGCAGCAGTGCCATCACCAACATAGTAAC
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TATGGTCAAGAATTTGTGGCCAAGAGACATCCCTTTCTGGACGGCTAGAGGGGTGCAGAGAGCCTTT
GAGGGCAAACTCTGGCCATGACCAATGGTGCCTGGGTGATGGGTGCTGCTGGGGCTGGCTTCTTACTTA
TGAAAGACATGAGCAGCTTCTGCAGAGCTGGAAGCACCTGGAGGATGGGGCAAGGACGGAGACAGCAGA
GGAAGTGAAGCACTTGCTAAGAAGCTGGAGCAGGAGCTGGACCGCTCACCCAGCACCACCGGCACCTG
CCGAGAAGGCGAGCCAGACCTGTTCCAGCTCCCGGGCAGGGCTGTTGAGGATCCCGTGTGGTTAAAC
CAGAAGGGTCTCGCTCACCTCTCCCTGGCTGTTGTGGAGCACCAGCCTAGGCTGGGCCCTGGCGTGGC
ACTGAGGACACCAAGAGGACAGTCTCTGCCCCAAGGATGCTTGGCCACCAGCCAGCCCCACCAGCACCA
GCAAGAAAGGGGAGACAGGCCCGGGAAGACACCGACAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



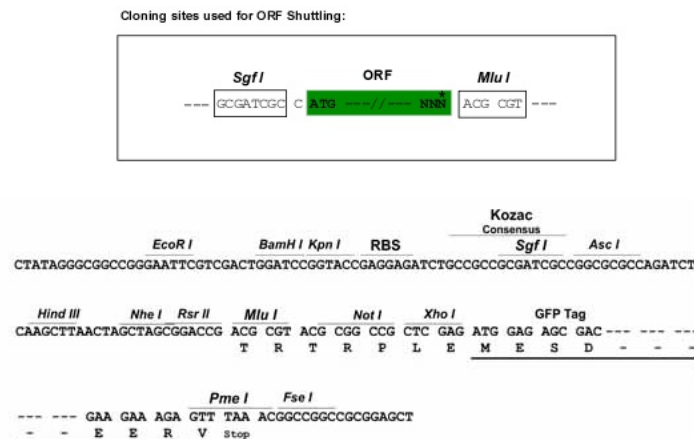
Protein Sequence: >RG213205 representing NM_030642
Red=Cloning site Green=Tags(s)

MPCGKQGNLQVPGSKVLPLGEGCKEMWLRKVIYGGVEVWGKSPEPEFSLVNLQSWKINNLMSTVHSDE
AGMLSYFLFEELMRCDKSDMPDGNLSEEEKLFLSYFPLHKFELEQNIKELNTLADQVDTTHELLTKTSLV
ASSSGAVSGVMNILLGLAPVTAGGSLMLSATGTGLGAAAAITNIIVTNLENRSNSAARDKASRLGPLTT
SHEAFGGINWSEIEAAGFCVNKCVKAIQGIKDLHAYQMAKSNSGFMAMVKNFVAKRHIPFWTARGVQRAF
EGTTLAMTNGAWVMGAAGAGFLLMKDMSSFLQSWKHLEDGARTETAELRALAKKLEQELDRLTQHHRHL
PQKASQTCSSSRGRAVRGSRVVKPEGRSRLPWPVVEHQPRLGPGVALRTPKRTVSAPRMLGHQPAPPAP
ARKGRQAPGRHRQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030642

ORF Size: 1299 bp

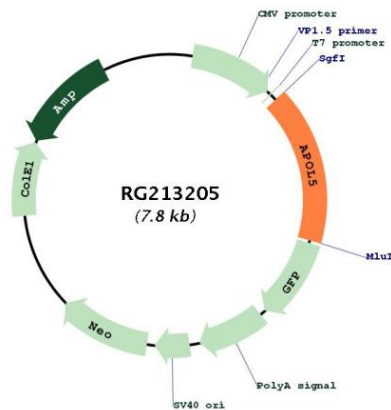
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_030642.1, NP_085145.1</u>
RefSeq Size:	1438 bp
RefSeq ORF:	1302 bp
Locus ID:	80831
UniProt ID:	<u>Q9BWW9</u>
Cytogenetics:	22q12.3
Gene Summary:	This gene is a member of the apolipoprotein L gene family. The encoded protein is found in the cytoplasm, where it may affect the movement of lipids or allow the binding of lipids to organelles. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG213205