

Product datasheet for **RG202053**

APLP1 (NM_001024807) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APLP1 (NM_001024807) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	APLP1
Synonyms:	APLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG202053 representing NM_001024807
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGCCCGCCAGCCCCGCTGCTCGCGTCTAAGTCGCCGCCCGGGCCAGCCCGCCTGCCGCTGCTGC
 TGCCACTATTGCTGCTGCTTCTGCGCGCCAGCCGCCATCGGGAGCCTGGCCGGTGGGAGCCCCGGCGC
 GGCCGAGGCCCGGGGTGGCCAGGTGGCTGACTATGCGGGCCCTAACCCCTTACCCGGACCTGCGC
 ACCGGCCGCTGGGAACAGACCCACAGCGCTCTCGACGCTGTCTCCGGGACCCGAGCGCTGCTGGAGT
 ACTGCAGACAGATGTACCCGGAGCTGCAGATTGCACGTGTGGAGCAGGCTACGCAGGCCATCCCCATGGA
 GCGCTGGTGGGGGTTCCCGGAGCGCAGCTGCGCCACCCCCACCACAGGTTGTGCCCTTCCGCTGC
 CTGCTGGTGAATTTGTGAGTGAGGCCCTGCTGGTGCCTGAAGGCTGCCGTTCTTGACCAGGAGCGCA
 TGGACCAATGTGAGAGTCAACCCGGAGGCATCAGGAGGCACAGGAGGCTGCAGCTCCAGGGCCCTCAT
 CCTGCACGGCTCGGCATGCTCTTACCCTGTGGCTCGGATCGGTTCCGTTGGTGTGGAGTATGTGTGCTGT
 CCCCTCCAGGGACCCCGACCCATCTGGGACAGCAGTTGGTGACCCCTCCACCCGGTCTGGCCCCCGG
 GGAGCAGAGTAGAGGGGGCTGAGGACGAGGAAGAGGAGGAATCCTTCCCACAGCCAGTAGATGATTACTT
 CGTGGAGCCTCCGAGGCTGAAGAGGAAGAGAAACGGTCCCACCCCAAGCTCCCATACACTTGCAGTG
 GTCGGCAAAGTCACTCCCACCCCGAGGCCACAGACGGTGTGGATATTTACTTTGGCATGCCTGGGGAAA
 TCAGTGAGCACGAGGGGTTCTGAGGGCCAAGATGGACCTGGAGGAGCGTAGGATGCGCCAGATTAATGA
 GGTGATGCGTGAATGGGCCATGGCAGACAACAGTCCAAGAACCTGCCTAAAGCCGACAGACAGGCCCTG
 AATGAGCACTTCCAGTCCATTCTGCAGACTCTGGAGGAGCAGGTGTCTGGTGAGCGACAGCGCTTCTGGG
 AAACCCACGCCACCCGCTCATCGCCCTTATCAACGACCAGCGCCGGGCTGCCTTGGAGGGCTTCTTGGC
 AGCCCTGCAGGCAGATCCGCCTCAGCGGAGCGTGTCTGTTGGCCCTGCGGCGCTACCTGCGTGGGAG
 CAGAAGGAACAGAGGCACACGCTGCGCCACTACCAGCATGTGGCCGCGTGGATCCCAGAGAGGCACAGC
 AGATGCGCTTCCAGGTGCATACCCACCTTCAAGTGATTGAGGAGAGGGTGAATCAGAGCCTGGGCTGCT
 TGACCAGAACCCCACTGGCTCAGGAGCTGCGGCCCAATCCAGGAACCTCCACTCTGAACACCTG
 GGTCCCAGTGAATTGGAAGCCCTGCCCTGGGGCAGCAGCGAGGACAAGGGTGGGCTGCAGCCTCCAG
 ATTCCAAGGATGACACCCCATGACCCTTCCAAAAGGGTCCACAGAACAAGATGCTGCATCCCCTGAGAA
 AGAGAAGATGAACCCGCTGGAACAGTATGAGCGAAAGGTGAATGCGTCTGTTCCAAGGGGTTTCCCTTC
 CACTCATCGGAGATTAGAGGGATGAGCTGGCACCAGCTGGGACAGGGGTGCCCTGAGGCTGTGTGCGG
 GTCTGCTGATCATGGGAGCGGGCGGAGGCTCCCTCATCGTCTTCCATGCTGCTCTGCCAGGAAGAA
 GCCCTACGGGGCTATCAGCCATGGCGTGGTGGAGGTGGACCCATGCTGACCCTGGAGGAGCAGCAGCTC
 CGGAACTGCAGCGGCACGGCTATGAGAACCCCACTTACCCTTCTGGAGGAACGACCC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG202053 representing NM_001024807
 Red=Cloning site Green=Tags(s)

MGPASPAARGLSRRPQPPLPLLLPLLLLLLRAQPAIGSLAGGSPGAAEAPGSAQVAGLCGRLTLHRDLR
 TGRWEPDPQRSRRCLRDPQRVLEYCRQMYPELQIARVEQATQAIIPMERWCGGSRSGSCAHPHHQVVPFRC
 LPGEFVSEALLVPEGCRFLHQERMDQCESSTRRHQEAQEAQESSQGLILHGSGMLLP CGSDRFRGVEYVCC
 PPPGTPDPSTAVGDPSTRSWPPGSRVEGADEEEEEESFPQPVDDYFVEPPQAEETVPPSSHTLAV
 VGKVTPTPRPTDGVDIYFGMPGEISEHEGFLRAKMDLEERRMRQINEVMREWAMADNQSKNLPKADRQAL
 NEHFQSILQTLQVSGERQRLVETHATRVIALLINDQRRAALEGFLAALQADPPQAERVLLALRRYLRAE
 QKEQRHTLRHYQHVAAYDPEKAQMRQVHTLQVIEERVNQSLGLLDQNPHLAQELRPQIQELLHSEHL
 GPSELEAPAPGGSSDKGLQPPDSKDDTPMTLPKGSTEQDAASPEKEKMNPLEQYERKVNASVPRGFPF
 HSSEIQRDELAPAGTGSREAVSGLLIMGAGGSLIVLSMLLLRRKKPYGAISHGVVEVDPMLTLEEQQ
 RELQRHGYENPTYRFLEERP

TRTRPLE – GFP Tag – V

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_001024807.1 , NP_001019978.1
RefSeq Size:	2450 bp
RefSeq ORF:	1956 bp
Locus ID:	333
UniProt ID:	P51693
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a member of the highly conserved amyloid precursor protein gene family. The encoded protein is a membrane-associated glycoprotein that is cleaved by secretases in a manner similar to amyloid beta A4 precursor protein cleavage. This cleavage liberates an intracellular cytoplasmic fragment that may act as a transcriptional activator. The encoded protein may also play a role in synaptic maturation during cortical development. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]