

Product datasheet for **RG202410**

APMAP (NM_020531) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	APMAP
Synonyms:	BSCv; C20orf3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202410 representing NM_020531
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCGAGGCGGACGGGCTGCGACAGCGCCGGCCCTGCGGCCGAGGTCGTACAGACGATGATGGCC
AGGCCCCGGAGGCTAAGGACGGCAGCTCCTTTAGCGGCAGAGTTTTCCGAGTGACCTTCTTGATGCTGGC
TGTTTTCTCTCACCCTTCCCTGCTTGGAGCCATGATGCTGCTGGAATCTCCTATAGATCCACAGCCTCTC
AGCTTCAAAGAACCCCGCTCTTGCTTGGTGTCTGCATCCAAATACGAAGCTGCGACAGGCAGAAAGGC
TGTTTTGAAAATCAACTTGTGGACCGGAGTCCATAGCACATATTGGGGATGTGATGTTTACTGGGACAGC
AGATGGCCGGTCTGAAAATTTGAAAATGGTGAATAGAGACCATTGCCCGTTTGGTTCGGGCCCTTGC
AAAACCCGAGATGATGAGCCTGTGTGGGAGACCCCTGGGTATCCGTGCAGGGCCAATGGGACTCTCT
TTGTGGCCGATGCATACAAGGACTATTTGAAGTAAATCCCTGGAAACGTGAAGTGAAGTCTGCTGTC
CTCCGAGACACCCATTGAGGGGAAGAACATGTCCTTTGTGAATGATCTTACAGTCACTCAGGATGGGAGG
AAGATTTATTTACCGATTCTAGCAGCAAATGGCAAAGACGAGACTACCTGCTTCTGGTGATGGAGGGCA
CAGATGACGGGCGCCTGCTGGAGTATGATACTGTGACCAGGGAAGTAAAGTTTTATTGGACCAGCTGCG
GTTCCCGAATGGAGTCCAGCTGTCTCCTGCAGAAGACTTTGTCCTGGTGGCAGAAACAACCATGGCCAGG
ATACGAAGAGTCTACGTTTCTGCCCTGATGAAGGGCGGGGCTGATCTGTTTGTGGAGAACATGCTGGAT
TTCCAGACAACATCCGGCCAGCAGCTCTGGGGGTACTGGGTGGGCATGTGACCATCCGCCCTAACCC
TGGGTTTTCCATGCTGGATTTCTTATCTGAGAGACCCTGGATTAAGGATGATTTTAAGCTCTTTAGT
CAAGAGACGGTGATGAAGTTTGTCCGCGGTACAGCCTCGTCTAGAACTCAGCGACAGCGGTGCCTTCC
GGAGAAGCCTGCATGATCCCGATGGGCTGGTGGCCACCTACATCAGCGAGGTGCACGAACACGATGGGCA
CCTGTACCTGGGCTCTTTCAGGTCCCCCTTCTCTGCAGACTCAGCCTCCAGGCTGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



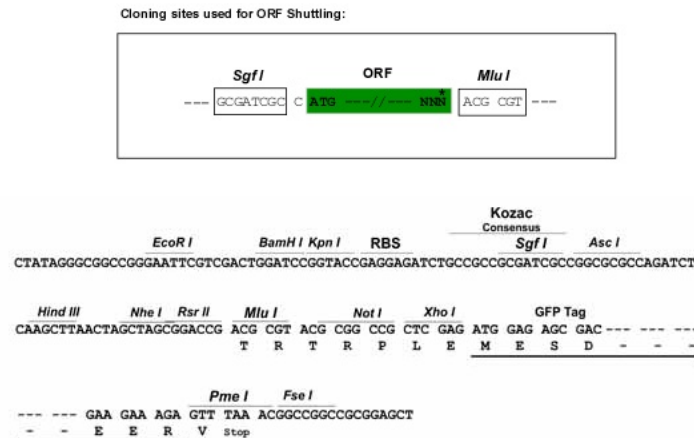
Protein Sequence: >RG202410 representing NM_020531
Red=Cloning site Green=Tags(s)

MSEADGLRQRRPLRPQVVTDDGQAPEAKDGSSFSGRVFRVTFMLAVSLTVPLL GAMMLLESIDPQPL
SFKEPPLLLGVLPNTKLRQAERLFENQLVGPEIAHIGDVMFTGTADGRVVKLENGEIIETIARFGSGPC
KTRDDEPVCGRPLGIRAGPNTL FVADAYKGLFEVNPWKREVKLLLSSETPIEGKNMSFVNDLTVTDGR
KIYFTDSSSKWQRRDYLLLVMEGTDDGRLLLEYDTVTREVKVLLDQLRFPNGVQLSPAEDFVLVAETTMAR
IRRVYVSGLMKGGADLFVENMPGFPDNIRPSSSGGYWVGMSTIRPNPGFSMLDFL SERPWIKRMIFKLF S
QETVMKFVPRYSLVLELSDSGAFRRSLHDPDGLVATYISEVHEHDGHL YLGSFRSPFLCRLSLQAV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020531

ORF Size: 1248 bp

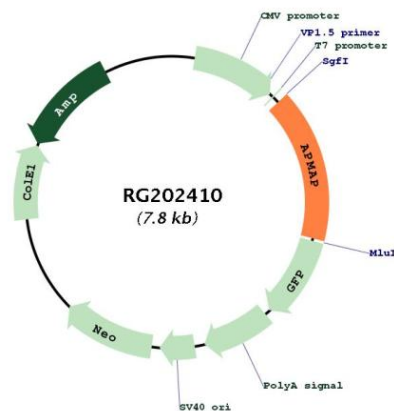
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_020531.3</u>
RefSeq Size:	2251 bp
RefSeq ORF:	1251 bp
Locus ID:	57136
UniProt ID:	<u>Q9HDC9</u>
Cytogenetics:	20p11.21
Domains:	Str_synth
Protein Families:	Transmembrane
Gene Summary:	Exhibits strong arylesterase activity with beta-naphthyl acetate and phenyl acetate. May play a role in adipocyte differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202410