

Product datasheet for **MG220420**

Uap1l1 (NM_001033293) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uap1l1 (NM_001033293) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Uap1l1
Synonyms:	5730445F03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220420 representing NM_001033293
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGACTCGGAGAGGGATGTACGCGCACAGCTGCAGCGTCCGGGCCAGGACCATCTCCTGCGCTTCTATG
 CCGACCTGGCTCCGGAAGCCCGAGCCGCACTGCTAGCGGAGCTCGCCTCATTGGAGGCCGACGCGCTGCG
 TGAGCACTGCCAGCGCGCCGAGCTGCGGGCGCGCTAGCTCCGGGTCTCTGCCGGACCTGGCTGCGCGC
 CTGCAGCCCTGCCCCAGAACGCGTGGGCAGCGCATCCGCTGTGACCAAGAGACACGCTGCGGTGGG
 AAGAGGAAGGTTTCCGACAGATTCTCTGAACAAGGTAGCTGTCTGCTGCTGGCGGGTGGGCAGGGCAC
 TCGCTGGGCGTCACATACCCAAAGGGCATGTATCAAGTTGGGCTGCCAGCCAGAAGACCCTGTATCAA
 CTGCAAGCAGAGCGGATCCGGCGTGTCCAACAGTTGGCTGACCAGCGACAGGGGACCCACTGCACTGTGC
 CCTGGTACATCATGACCAGTGAGTTTACCCTGGGACCCACAATCAAGTTCTTCAAGGAGCATGACTTCTT
 CCACCTGGACCCCACTAACGTAGTGCTGTTGAGCAGCGCATGCTACCTGCTGTGACCTTTGAGGGCAAG
 GCCATCCTGGAACGGAAGACAAAGTTGCCATGGCCCCAGATGGCAACGGGGGTTTGTACTGTGCACTGG
 CTGACCACCAGATCCTGGAGGACATGAAGCAGCGGGGTGTGGAGTTTGTGCATGTGTACTGCGTAGACAA
 CATCTTGGTGCGGCTGGCTGACCCAGTCTTCATTGGCTTCTGTGTGCTTCAGGGAGCAGACTGTGGTGCT
 AAGGTGGTGGAGAAAGCATACCCTGAGGAGCCAGTGGGTGTGGTGTGCCAGGTGGATGGTGTCCCCAGG
 TGGTGGAATACAGCGAGATCAGCCCTGAGATTGCTGGGCACTCGGGGCTGATGGAGGCTTGCTCTACAA
 CGCAGGCAACATCTGCAACCATTTCTTCACCAGAGGCTTCTGGATGTGGTTACCAGGGAGTTTGAGCCC
 TTGCTGAGGCTGCATGTGGCCATGAAGAAGTCCCACATACGTGGATGAGGAGGGAATCTGGTAAAGCCGC
 TAAGACCGAATGGGATAAAGATGGAGAAGTTTGTGTTTGTGTGTTCCAGTTTGCTAAGAACTTTGTTGC
 CTTTGAAGTGTGTCGGGAAGAGGAGTTCTCCCTCTGAAGAATGATGACACAGCCGACAGGGACAACCCC
 TCCACCTGCAGGAGAGCCTTGTGGCTCAGCACTACCGTGGGCTCTGCAGGCCGAGCCGCTTCTGTGG
 ATGTACACGGGTCAGCTTACGGAGCAGTCTGGCATGCTCCAAATGGAGACCTCCAGCCATCTGTGA
 GATCTCGCCCTTGGTGTCTTACTCTGGAGAGGGTTGGAATGTACCTGCAAGGCCGACAACCTCCAGTCT
 CCATTCATTCTGGATGAGGACCAAGCCAGGCTGCTGCGGCCACAGGACTGC

AGCGGACCGACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG220420 representing NM_001033293
 Red=Cloning site Green=Tags(s)

MDSERDVRAQLQRAGQDHLLRFYADLAPEARAALLAELASLEADALREHCQRAAAAGALAPGPLDLAAR
 LQPLPPERVGSAIRCDQETRLRWEEEGFRQISLNKVAVLLLAGGQGTRLGVTPKGMVQVGLPSQKTLVQ
 LQAERIRRVQQLADQRQGTHTCTVPWYIMTSEFTLGPTIKFFKEHDFHLDPTNVVLFQRMPLPAVTFEGK
 AILERKDKVAMAPDGNGLYCALADHQILEDMKQRGVEFVHVYCDNILLRLADPVFIGFCVLQGADCGA
 KVVEKAYPEEPVGVVQVDGVPQVVEYSEISPEIAGQLGADGGLLYNAGNICNHFFTRGFLDVVTREFEP
 LLRLHVAMKKVPYVDEEENLVKPLRPNGIKMEKFVDFVQFAKNFVAFEVCREEEFSPLKNDTADRNDP
 STCRRALLAQHYRWALQAGARFLDVHGVQLTEQSGMLPNGDPPAICEISPLVSYSGEGLMYLQGRQLQS
 PFILDEDQARLLRPQDC

SGPTRRRLE – GFP Tag – V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: NM_001033293

ORF Size: 1521 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_001033293.3](#)

RefSeq Size: 1690 bp

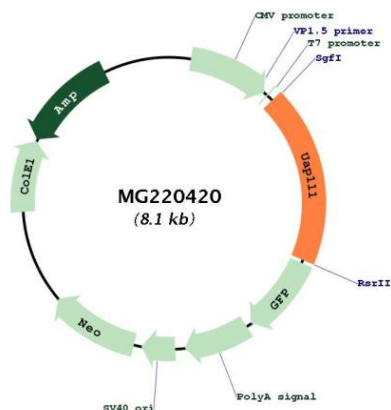
RefSeq ORF: 1524 bp

Locus ID: 227620

UniProt ID: Q3TW96

Cytogenetics: 2 A3

Product images:



Circular map for MG220420