

Product datasheet for **MG204419**

Upp1 (NM_009477) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Upp1 (NM_009477) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Upp1
Synonyms:	AI325217; UdrPase; Up; UPase; Upp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204419 representing NM_009477 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCTACAGGAAGTGAAGCAAAGGACCTTGAAAACCATCACAATGACTGCTTCATCCAACCTTCAA
ATCCAACATAGCAGCAATGAAGGAAGACGTGCTCTACCATTTCAACCTCAGCACTAGCACACAGATTT
CCCTGCTATGTTGGAGACGTGAAGTTTGTGTGTTGGTGAAGCTCTCCCGGATGAACACCTTCATC
AAGTATGTGGCTGCAGAGCTGGCCTTGACCATCCAGGAAGGAATATCCAACATCTGTGCAGGCACTG
ACCGCTACGCCATGTATAAAGCCGGGCCGTGCTGTGTGAGCCATGGCATGGCATTCTTCCATCGG
CATCATGTTGCAGAGCTCATCAAGATGCTGTACCATGCCAGGTGCTCCAACATCACCATCATCCGATT
GGCACTTCAGGCGGGATAGGTCTGGAGCCTGGCTCTGTTGTCATCACGCAGCAGGCACTGAATGAGTGT
TCAAGCCGGAGTTTGAGCAGATTGCTCTGGGAAAACGGGTGATTCGCAACACCAACCTGGACGCGCAGCT
GGTTCAGGAGTTGGTGCAGTGTCTCAGACCTGAATGAGTTCATGTTGTTGGGCAACACCATGTGC
ACCTTGGACTTCTATGAGGGCAAGGCCGTCTGGATGGCGCCCTGTCTCTACACAGAGAAAGACAAAC
AGTCTTATCTGCGTGCAGCCATGCCGCGGGTGTCCGAAATATCGAGATGGAATCTTCGGTGTGGCCAC
CATGTGCAGTGCCTGTGGCCTGAAAGCGGCTGTGGTGTGTGTACCCTTCTGGACCGTCTGCAAGGAGAC
CAGATCAACACTCCCCACGATGTGCTTGTGGAATACCAGCAGAGACCACAGCGGCTAGTGGGCCACTTCA
TCAAGAAGAGCCTGGGACGGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204419 representing NM_009477
 Red=Cloning site Green=Tags(s)

MAATGTEAKDLENHHNDCF IQLSNPNIAAMKEDVLYHFNLSTSTHDFPAMFGDVKFVCGGSSSRMNTFI
 KYVAAELGLDHPGKEYPNICAGTDYAMYKAGPVLVSHGMGIPSIGIMLHELKMLYHARCSNITIIIRI
 GTSGGIGLEPGSVVITQQAVNECFKPEFEQIVLGKRVIRNTNLDAQLVQELVQCSSDLNEFPVMVGNMTC
 TLDFYEGQGRLDGALCSYTEKDKQSYLRAAHAAGVRNIEMESSVFATMCSACGLKAAVVCVTLDDLRLQGD
 QINTPHDVLVEYQQRPLVGHF IKKSLGRA

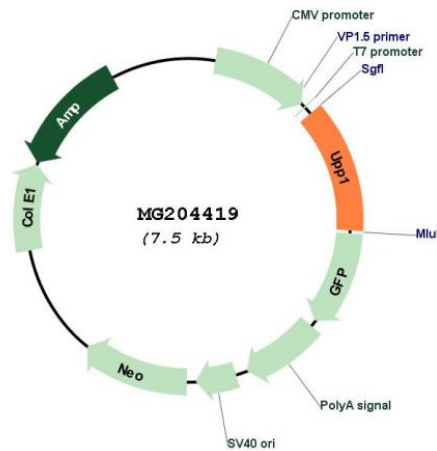
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009477

ORF Size: 1294 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:	<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_009477.3 , NP_033503.2
RefSeq Size:	1278 bp
RefSeq ORF:	936 bp
Locus ID:	22271
UniProt ID:	P52624
Cytogenetics:	11 A1
Gene Summary:	Catalyzes the reversible phosphorylytic cleavage of uridine and deoxyuridine to uracil and ribose- or deoxyribose-1-phosphate (PubMed:7744869). The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis.[UniProtKB/Swiss-Prot Function]