

Product datasheet for **MG205044**

Upp2 (BC027189) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Upp2 (BC027189) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Upp2
Synonyms:	UP2, UPASE2, UDRPASE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205044 representing BC027189 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCCATTTGCTGCTTCTAATAGATCCATGAGACCTGACAAGAATACATACGAGAGCCCTGGCT
GGACTGAGATTCCACAGTACAGACCAGGCTGCCCTCAGATTCACAGAAAACGGTCTGTGTATGTTAAGAA
TCCATACCTGGAAGGCATGGACGAAGACATTCTCTATCACTTGGATTTAGGAACCAAAACACACAACCTA
CCAGCAATGTTTGGGGATGTAAGTTTGTCTGCGTTGGTGGGAGCCGAACAGAATGAAGGCATTTGCAC
AGTTTATGCACAAGGAACCTCCGTTGGAGGGAGATGGAGAAGACATTGAAGACATCTGTGCGGGGACAGA
CAGATACTGCATGTTCAAACAGGCCCGTCTCCGTCAGTCACGGGATGGGCATCCCTCCATTTCC
ATTATGCTCCACGAACATCAAATTAATCCACCATGCACACTGCTGTGATGTTACCATCATCAGAATTG
GAACGTCAGGGGGAATTGGGATTGCACCAGGCTCCGTTGTAATAACAGATACAGCTGTAGACTCCTTCTT
CAAGCCTCGATTTGAGCAGGTACTCTGGATAACGTGGTCACCCGAAGCACTGAGCTTGACAAAAGACTG
GCTAATGATCTGTTCACTGTAGCAGAGAAATCCCAATGTTCCAACCTCATCGACACACGATGTGTA
CCTATGACTTTTATGAAGCCAAGGTCGCTTAGATGGGGCGTTATGCTCCTTTTCGAGAGAGAAAAAGCT
AGACTACTTGAAGAGAGCATACAGAGCTGGTGTGAGAACATTGAAATGGAATCGACTGTGTTCCGAGCC
ATGTGTGGCCTGTGTGGCCTGAGAGCTGCTGTGGTCTGTGTGACACTTCTTGACAGACTCGAGAGTGACC
AAATCAATTTGTCCCATGATGTCCTGGTGGAGTACCAGCAACGGCCACAGCTTCTAATCTCAAATTTTCAT
CAAAAAACAGCTTGACTTTGTGACCAGATGTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205044 representing BC027189
 Red=Cloning site Green=Tags(s)

MASILPASNRSMRPDKNTYESPGWTEIPQYRPGCPQIHRKRSVYVKNPYLEGMEDDILYHLDLGTKTHNL
 PAMFGDVKFVCGVGGSPNRMKAFQFMHKELRLEGGDIEDICAGTDRYCMFKTGPVLSVSHGMGIPSIS
 IMLHELIKLLHHAHCCDVTIIRIGTSGGIGIAPGSVVITDTAVDSFFKPRFEQVILDNVVTRSTELDKEL
 ANDLFNCSREIPNVPTLIGTMCCTYDFYEGQGRLDGALCSFSREKKLDYLKRAYRAGVRNIEMESTVFAA
 MGLCGLRAAVVCYLLDRLESDQINLSHDVLEVEYQQRPLLISNFIKKQLGLCDQMS

TRTRPLE - GFP Tag - V

Restriction Sites:

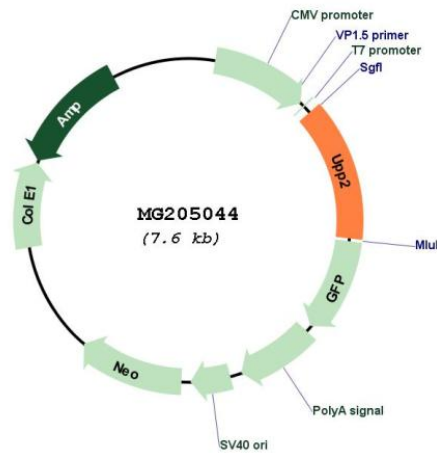
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC027189

ORF Size: 1016 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:	BC027189 , AAH27189
RefSeq Size:	2512 bp
RefSeq ORF:	1016 bp
Locus ID:	76654
Cytogenetics:	2 C1.1
Gene Summary:	Catalyzes the reversible phosphorylytic cleavage of uridine and deoxyuridine to uracil and ribose- or deoxyribose-1-phosphate. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis (By similarity). [UniProtKB/Swiss-Prot Function]