

Product datasheet for **MG203994**

Imp4 (NM_178601) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Imp4 (NM_178601) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Imp4
Synonyms:	AA409888; AV031295; D1Wsu40e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203994 representing NM_178601 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCCGTCGGGAGGCTCGCCTGCGCCGCGAGTACCTGTACCGCAAAGCCGGGAGGAGGCGCAGCGAT
CCGTTCCAGGAGAAGAAGGAGCGAGTCAAGCGTGCCTAGAAAGAAAACCAGCTGATCCCACCGATTACG
CCGGGAGGCTCTAGCCTTACAGGGTCTTGGAGTTCGATGATGCTGGTGGAGAAGGTGAACCAGCCAT
GTAGATGATGAATATCGATGGCCGGGTTGAGGATCCTAAGGTCATGATCACTACCTCCAGAGACCCTA
GTTCTCGCCTGAAAATGTTTGCAAAGGAACTGAAGCTGGTGTCCAGGTGCCAGCGCATGAACCGAGG
TCGGCATGAGGTTGGAGCACTAGTGAGAGCTTGCAAAGCCAACGGGGTACCGACCTGTTGGTGGTCCAT
GAGCATCGAGGCACACCCGTGGGCTCATTGTGAGCCATCTGCCCTTCGGTCTACTGCCTATTTACAC
TGTGTAACGTGGTCATGCGGCACGACATCCCTGACCTGGGACCATGTCAGAAGCCAAGCCCCACCTCAT
CACTCATGGCTTTTCTCACGGCTGGGCAAGCGGGTGTGCGGACATCCTTCGTTACCTATTTCCCGTGCCA
AAAGACGACAGCCATCGGGTCATCACCTTTGCAAACCAGGATGACTACATTTTCATTCGGCACCATGTCT
ACAAGAAGACAGACCACCGCAATGTGGAGCTGACTGAGGTCGGGCTCGATTTGAGCTCAAGTTGTATAT
GATTCGCCTGGGCACACTGGAGCAGGAGCCACCGCAGATGTAGAGTGGCGCTGGCACCCCTACACCAAC
ACCGCCGCAAGAGGGTCTTCTGAGTGCCGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203994 representing NM_178601
Red=Cloning site Green=Tags(s)

MLRREARLRREYLRYKAREEAQRSVQEKKERVKRALEENQLIPTELRREALALQGSLEFDDAGGEGVTSH
 VDDEYRWAGVEDPKVMIITSRDPSRLKMFAKELKLVFPGAQRMNRGRHEVGALVRACKANGVTDLLVVH
 EHRGTPVGLIVSHLPPGPTAYFTLCNVVMRHDIPDLGTMSEAKPHLITHGFSSRLGKRVSILRYLFPVP
 KDDSHRVITFANQDDYISFRHHVYKKTDRHNVELTEVGPRFELKLYMIRLGTLEQEATADVEWRWHPYTN
 TARKRVFLSAE

TRTRPLE - GFP Tag - V

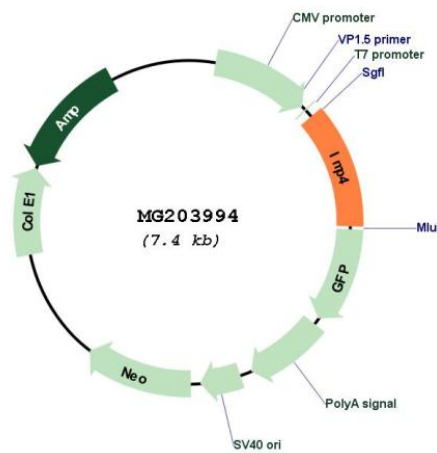
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_178601

ORF Size: 873 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_178601.3
RefSeq Size:	2174 bp
RefSeq ORF:	876 bp
Locus ID:	27993
UniProt ID:	Q8VHZ7
Cytogenetics:	1 13.22 cM
Gene Summary:	Component of the 60-80S U3 small nucleolar ribonucleoprotein (U3 snoRNP). Required for the early cleavages during pre-18S ribosomal RNA processing (By similarity).[UniProtKB/Swiss-Prot Function]