

Product datasheet for **MG203703**

Impa1 (BC049080) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Impa1 (BC049080) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Impa1
Synonyms:	2610002K09Rik; 2900059K10Rik; AI325909
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203703 representing BC049080 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGACCCTTGGCAGGAGTGCATGGACTATGCAGTAATCCTCGCGAGGCAAGCTGGAGAGATGATTC
GTGAAGCTTTAAAAAATGAGATGGATGTCATGATTTAAAGTTCTCCAGCCGACTTGGTAACAGTTACTGA
CCAAAAAGTTGAAAAATGCTCATGTCTTCTATAAAGGAAAAGTATCCATGTCACAGCTTCATTGGTGAA
GAGTCTGTGGCAGCTGGGAGAAGACGGTCTTACAGAGCAGCCACGTGGGTTCATTGACCCATTGATG
GAACGACTAACTTCGTGCATCGTTTCCCTTTGTAGCTGTTTCAATTGGCTTCTTGTGAATAAAGAGAT
GGAGTTTGAATTGTGTACAGCTGTGTGAAGATAAGATGTACACCGGCAGGAAAGGAAAGGTGCCTTT
TGTAACGGTCAGAAGCTTCAGGTGTCCCAGCAGGAAGACATTACCAAGTCACTCTTGGTGACCGAGTTGG
GCTCGTCCAGAAAGCCGAGACTTTACGGATCGTTCTCTCCAACATGGAAAAGCTGTGTTCCATCCCAT
CCATGGAATCCGGAGTGTGGAACAGCTGCTGTTAATAATGTGCCTTGTGGCAACGGGAGGAGCAGATGCC
TATTATGAGATGGGAATCCACTGCTGGGACATGGCGGAGCTGGCATCATTGTCACCGAGGCAGGCGGAG
TGCTCATGGATGTCACGGGTGAGATCATGCCACCAAAGCATGCAGGGCTCTCTCTTGATGTGTGTGA
GTCTCTGCAAAATCAGACGTTAGCAGATGGAGACAGTGGTGTGGCTAGTGCTACTACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203703 representing BC049080
 Red=Cloning site Green=Tags(s)

MADPWQECMDYAVILARQAGEMIREALKNEMDVMIKSSPADLVTVDQKVEKMLMSSIKEKYPCHSFIGE
 ESVAAGEKTVFTEQPTWVIDPIDGTTNFVHRFPFVAVSIGFLVNKEMEFGIYVSCVEDKMYTGRKKGKGF
 CNGQKLQVSQQEDITKSLLVTELGSSRPETLRIVLSNMEKLCSEPIHGIRSVGTAANMCLVATGGADA
 YYEMGIHCWDMAGAGIIVTEAGGVLMDVTGEIMPPQSMQGSLLDVCESLQNQTLADGDSGVASATT

TRTRPLE - GFP Tag - V

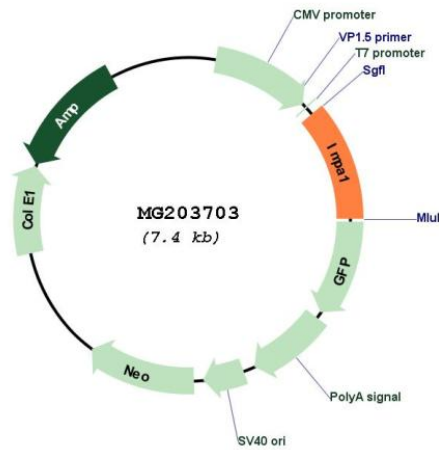
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC049080

ORF Size: 830 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:	BC049080 , AAH49080
RefSeq Size:	2966 bp
RefSeq ORF:	830 bp
Locus ID:	55980
Cytogenetics:	3 A1