

Product datasheet for **MG205693**

Mri1 (NM_026423) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mri1 (NM_026423) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mri1
Synonyms: 2410018C20Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205693 representing NM_026423
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACACTGGAAGCGATCCGCTACTCGCCGGCTCGTGCAGATCCTCGACCAGCTGCAGCTGCCAGAGC
 ACTGCCACTATGAGGCACTGAGCTCCGTGCAGCAGGCTAGTGAAGCCATCCGCGCCATGAAGGTGCGCGG
 AGCCCCGCCATCGCGTGGTGGCTGCCTCAGCCTGGCCGTGGAGCTGCGGGCCGGCGCCGGGTCCC
 GGACTCGTCTCTGGTGGCCTTCGTGCGAGACCAGCTGCGCCTCTAGTCGCCGCCGGCCACCCTG
 TCAACATGGCCCCGCCGCCCGCATCTGGGTCAAGTGGCAGCCAGGAGCGGAACGAGAGGGTGCCAC
 TGAAGAGACCGTGCGGGAAAGAGTGATCCGCTTCGCCGAGGATATGTTGGAGAAGGACCTCAAAGACAAC
 CGGAGCATCGGGGACCTGGGAGCCGCCATCTCCTAGAGCAGACCAACCCAGGGGTGGCAAGGTGACCG
 TGCTGACCCACTGTAACACGGGTGCTCTGGCCACTGCTGGCTATGGTACAGCGTTAGGTGTGATCCGCTC
 ACTGCATGAGATGGGCCGATTGGAGCATACCTTCTGCACAGAGACCCGGCCCTACAACAGGGAGCCCGG
 CTGACGGCCTTCGAGTGGTGTACGAGCAGATCCCTGCAACTCTCATCACTGACAGCATGGCGGGGCTG
 CCATGGCACACCGGGTGTGTACGCCGTGGTGGGAGCTGACCGTGTGTTGCCAATGGAGACACAGC
 CAACAAAATAGGCACCTATCAGCTGGCCATTGTGCCAAAACACCAGGTGTCCTTCTATGTGGCTGCC
 CCCAGTTTCCTGTGACCTCCATCTGGAGACTGGAAAGGAGATTGTCATAGAGGAACGCCACGCCAGG
 AGCTAACTGACCTGAATGGAGTCAGGATTGCTGCACAGGGAATCCGGGTTTGAATCCTGCCTTTGATGT
 CACCCCCACGAACTCATCACAGGTGGCATCATCACTGAACTGGGTGTCTTTGCCCTGAGGAGCTCCGA
 GGAGCCCTAAGTGCTCCGTCTTCTCAGAGGGACAGACCCTAGATAGTCCTGGGTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205693 representing NM_026423
 Red=Cloning site Green=Tags(s)

MTLEAIRYSPGSLQILDQLQPEHCHYEALSSVQQASEAIRAMKVRGAPAIALVGCLSLAVELRAGAGGP
 GLAALVAFVRDQLRLLVAARPTAVNMARAARDLGQVAAQEAEREGATEETVRERVIRFAEDMLEKDLKDN
 RSIGDLGARHLLLEQTNPRGGKVTVLTHCNTGALATAGYGTALGVIRSLHEMGRLEHTFCTETRPYNQGAR
 LTAFELVYEQIPATLITDSMAAAAMAHRGVSAVVVGADRVVANGDTANKIGTYQLAIVAKHHGVPFYVAA
 PSSSCDLHLETGKEIVIEERPSQELTDLNGVRIAAQGIWVWPAFDVTPHELITGGIITELGVFAPEELR
 GALASVVFSEGQTLDSPWV

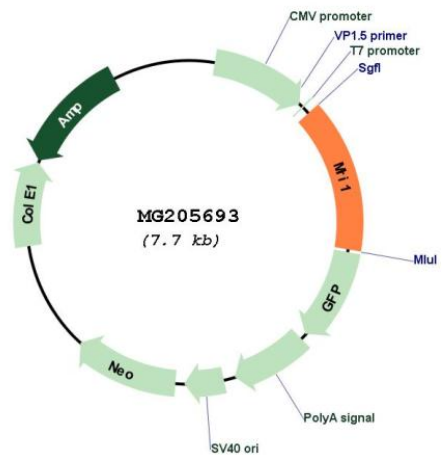
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026423

ORF Size:	1107 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_026423.2 , NP_080699.2
RefSeq Size:	2822 bp
RefSeq ORF:	1110 bp
Locus ID:	67873
UniProt ID:	Q9CQT1
Cytogenetics:	8 C2
Gene Summary:	Catalyzes the interconversion of methylthioribose-1-phosphate (MTR-1-P) into methylthioribulose-1-phosphate (MTRu-1-P).[UniProtKB/Swiss-Prot Function]