

Product datasheet for **MG203303**

Slfn8 (BC024709) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slfn8 (BC024709) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Slfn8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203303 representing BC024709
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAAGGTTACTTTGAGACAAACAGGATCCAACACATCATTGTTGATGAAGCCAGAATTTCCACACTG
 AGGATGGAACCTGGTGTGAGAAGGCAAAAGGAATCACTCAAGGAGGAAAGCTTGTCTAGAAATGTTCTG
 GATATTTCTGGACTATTTTCAGACCAGTCATTTGAAGGAGAGTGGCTCCAGATTTTCAACTCCAGTAT
 CCAAAGGAAGAGCTCACACAAGTGGTACGCAATGGAGATAAAATAGCTGAGTTCCTACAACAAGAGTTGG
 GAAAAATCAGAGATAACCCTCCATGCAGCATCCCCGAGCATCCCTAAACATTGTCCATGAATTTAAGTG
 GTCCCAAGTATATCAGGCACCCTTAAGATTAATACTTGACTTCGGAAGAGATGGTAAGCTATGTAGCA
 AATAAGTGTGATGTTTTCTTGAGTAAAGGCTATTCACCCCAAGATATTGCAGTGCTTTTCAGCACAGACA
 GGGAAAAGAAAGCCTATGAGCATATGTTCTGAGAGAAATGAGGAAGAAGAGGAGAGCATCTCAGATGAA
 TGACACGTCTGTCTGTCATTCTAACATGTTTGACAGAATCCGTCGATTCTCAGGACTGGAAAGAAGCATT
 GTGTTTGGTATCAATCCATTGCAACTGAGCAGCCATTTCACCAACCTATTGATCTGCCTGGCTTCCA
 GAGCAATGAAATATCTGTATATCTGTATGCTTTAACTCCTGAGGGCAGAGCTCAACGGTGGCATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG203303 representing BC024709
 Red=Cloning site Green=Tags(s)

MKGYFETNRIQHIIVDEAQNFTEDGNWCEKAKGITQGGKACPRMFWIFLDYFQTSHLKESGLPDFELQY
 PKEELTQVVRNGDKIAEFLQQLGKIRDNPPCSIPRASLNIVHEFKWSQISGTLKIKYLTSEKMVSYYA
 NKCDVFLSKGYSPQDI AVL FSTDREKKAYEHMFLREMRKKRRASQMNDTSVCHSNMFDRIIRRFSGLERSI
 VFGINPIATEQPISHNLLICLASRAMKYLYILYALTPEGQSSTVAC

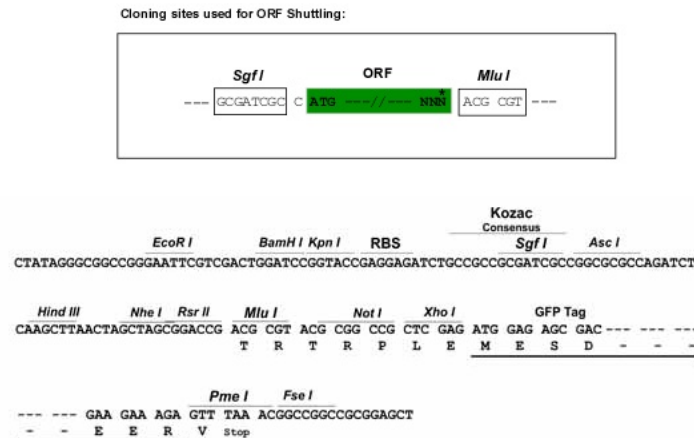
TRTRPLE - GFP Tag - V



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC024709

ORF Size: 768 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC024709](#), [AAH24709](#)

RefSeq Size: 1859 bp

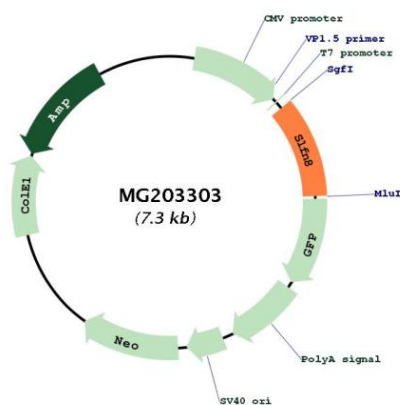
RefSeq ORF: 770 bp

Locus ID: 276950

Cytogenetics: 11 C

Gene Summary: Endoribonuclease that cleaves tRNAs and rRNAs (PubMed:29563550). Cleaves tRNAs 11 nucleotides from the 3'-terminus at the acceptor stem (PubMed:29563550). May be involved in immune system via regulation of inflammation (PubMed:29528433).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203303