

## Product datasheet for **MG203139**

### Esam1 (BC019460) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Esam1 (BC019460) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Esam1
Synonyms:	W117m, Esam
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203139 representing BC019460 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATTCTTCAGGCTGGAACCCCGAGACCAGCTTGCTGCGGGTTTTGTTCTGGGACTGAGTACCCTTG  
CTGCCTTCTCCCGAGCTCAGATGGAGTTGCACGTGCCCGGGCCTCAACAAATTGGAAGCGGTAGAGGG  
AGAAGAAGTGGTCTCCCGCCTGGTACACGATGGCACGGGAGGAGTCGTGGTCCCACCCCGGGAGGTG  
CCCATCCTGATCTGGTTCTTGAACAAGAAGGGAAGGAACCAACCAGGTGTTGTCTTACATTAATGGAG  
TCATGACAAATAAACCTGGAACAGCCCTGGTCCACTCTATCTCTCACGGAATGTGTCCCTGCGCCTGGG  
GGCACTCCAGGAGGGAGACTCTGGGACTTACCGCTGTTCTGTCAATGTGCAAGATGATGAAGGCAAAAGT  
ATAGGCCACAGCATCAAAGCATAGAGCTCAAAGTGTGTTCCCTCCAGCTCCTCCATCCTGTAGTTTAC  
AGGGTGTACCCTATGTCCGGACCAATGTGACCCTGAACTGCAAGTCCCCAAGGAGTAAACCTACTGCTCA  
GTACCAGTGGGAGAGGCTGGCCCATCCTCCAGGTCTTCTTTGGACCAGCCTTAGATGCTGTTCTGTGGA  
TCTTTAAAGTCACTAACCTTTCCATTGCCATGTCTGGAGTCTATGTCTGCAAGGCTCAAACAGAGTGG  
GCTTTGCCAAGTCAACGTGACCTTGGACGTGATGACAGGTCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG203139 representing BC019460  
 Red=Cloning site Green=Tags(s)

MILQAGTPETSLRLVFLGLSTLAAFSRAQMELHVPPLNKLAVEGEEVVLPAWYTMAREESWSHPREV  
 PILIWFLEQEGKEPNQVLSYINGVMTNKPGTALVHSISSRNVSLRLGALQEGDSGTYRCSVNVQNDGKS  
 IGHSIKSIELKVLVPPAPPSCSLQGVVYVGTNVTLNCKSPRSKPTAQYQWERLAPSSQVFFGPALDAVRG  
 SLKLTNLSIAMSGVYVCKAQNVRVGFACNVTLDMVTGQ

TRTRPLE - GFP Tag - V

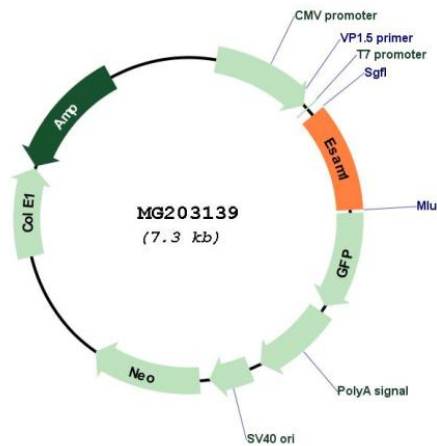
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** BC019460

**ORF Size:** 744 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC019460.1</a>
<b>RefSeq Size:</b>	1859 bp
<b>RefSeq ORF:</b>	746 bp
<b>Locus ID:</b>	69524
<b>Cytogenetics:</b>	9 A4
<b>Gene Summary:</b>	Can mediate aggregation most likely through a homophilic molecular interaction. [UniProtKB/Swiss-Prot Function]