

Product datasheet for **MG206163**

Esam (NM_027102) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esam (NM_027102) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Esam
Synonyms:	2310008D05Rik; Esam1; W117m
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206163 representing NM_027102 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTCTTCAGGCTGGAACCCCGAGACCAGCTTGCTGCGGGTTTTGTTCTGGGACTGAGTACCCTTG
CTGCCCTTCTCCCGAGCTCAGATGGAGTTGCACGTGCCCGGGCCTCAACAAATTGGAAGCGGTAGAGGG
AGAAGAAGTGGTCTCCCGCCTGGTACACGATGGCACGGGAGGAGTCGTGGTCCCACCCCGGGAGGTG
CCCATCCTGATCTGGTTCTTGGAAACAAGAAGGGAAGGAACCAACCAGGTGTTGTCTTACATTAATGGAG
TCATGACAAATAAACCTGGAACAGCCCTGGTCCACTCTATCTCTTACGGAATGTGTCCCTGCGCCTGGG
GGCACTCCAGGAGGGAGACTCTGGGACTTACCGCTGTTCTGTCAATGTGCAAGAATGATGAAGGCAAAGT
ATAGGCCACAGCATCAAAGCATAGAGCTCAAAGTGTGGTTCCTCCAGCTCCTCCATCCTGTAGTTTAC
AGGGTGTACCCTATGTCCGGACCAATGTGACCTGAACTGCAAGTCCCCAAGGAGTAAACCTACTGCTCA
GTACCAGTGGGAGAGGCTGGCCCATCCTCCAGGTCTTCTTTGGACCAGCCTTAGATGCTGTTCTGTGGA
TCTTTAAAGTCACTAACCTTTCCATTGCCATGTCTGGAGTCTATGTCTGCAAGGCTCAAACAGAGTGG
GCTTTGCCAAGTGAACGTGACCTTGGACGTGATGACAGGGTCCAAGGCTGCAGTGGTGGTGGAGCAGT
TGTGGGCACTTTTGTGGGTTGGTGTGATAGCTGGGCTGGTCTGTGTACCAGCGCCGGAGCAAGACC
TTGGAAGAGCTGGCCAAATGATATCAAGGAAGATGCCATTGCTCCCGGACCTTGCCTTGGACCAAGGCT
CAGACACAATCTCCAAGAATGGGACACTTCTTCGGTCACCTCAGCACGAGCTCTGCGGCCACCCAAAGGC
TGCTCCTCCAAGACCTGGCACATTTACTCCACACCCAGTGTCTTAGCCAGGCCCTGTCTCACCAAGA
CTGCCAGGGTAGATGAACCCACCTCAGGCAGTGTCCCTGACCCAGGTGGGGTTTCTTCTTCTGCTC
TGAGCCGCATGGGTGCTGTGCCTGTGATGGTGCCTGCACAGAGTCAGGCTGGGTCTTGTG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206163 representing NM_027102
Red=Cloning site Green=Tags(s)

MILQAGTPETSLRLVFLGLSTLAAFSRAQMELHVPPLNKLAVEGEEVVLPAWYTMAREESWSHPREV
 PILIWFLEQEGKEPNQVLSYINGVMTNKPGTALVHSISSRNVSLRLGALQEGDSGTYRCSVNVQNDGKS
 IGHSIKSIELKVLVPPAPPSCSLQGVVYGTNTLNCSPRSKPTAQYQWERLAPSSQVFFGPALDAVRG
 SLKLTNLSTIAMSGLVYVCKAQRVGFACKNVTLDMVTGSKAAVVAGAVVGTFFVGLVLIAGLVLLYQRRSKT
 LEELANDIKEDAIAPRTLPTWKGSDTISKNGTSSVTSARALRPPKAAPPRPGTFTPTPSVSSQALSSPR
 LPRVDEPPPQAVSLTPGGVSSSALSRMGAVPVMVPAQSQAGSLV

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1834_c02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



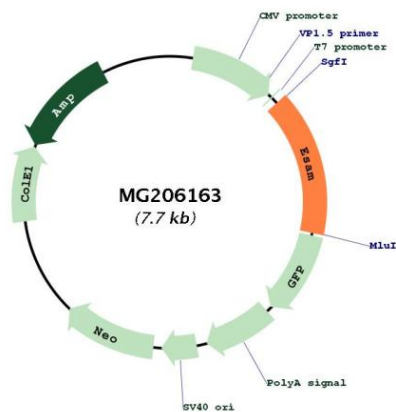
ACCN: NM_027102

ORF Size: 1182 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_027102.3</u> , <u>NP_081378.1</u>
RefSeq Size:	1859 bp
RefSeq ORF:	1185 bp
Locus ID:	69524
UniProt ID:	<u>Q925F2</u>
Cytogenetics:	9 A4
Gene Summary:	Can mediate aggregation most likely through a homophilic molecular interaction. [UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MG206163