

## Product datasheet for MR206163

### Esam (NM\_027102) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Esam (NM_027102) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Esam
Synonyms:	2310008D05Rik; Esam1; W117m
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206163 representing NM_027102 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATTCTTCAGGCTGGAACCCCGAGACCAGCTTGCTGCGGGTTTTGTTCTGGGACTGAGTACCCTTG  
CTGCCCTTCTCCGAGCTCAGATGGAGTTGCACGTGCCCGGGCCTCAACAAATTGGAAGCGGTAGAGGG  
AGAAGAAGTGGTCTCCCGCCTGGTACACGATGGCACGGGAGGAGTCGTGGTCCCACCCCGGGAGGTG  
CCCATCCTGATCTGGTTCTTGAACAAGAAGGGAAGGAACCAACCAGGTGTTGTCTTACATTAATGGAG  
TCATGACAAATAAACCTGGAACAGCCCTGGTCCACTCTATCTCTCACGGAATGTGTCCCTGCGCCTGGG  
GGCACTCCAGGAGGGAGACTCTGGGACTTACCGCTGTTCTGTCAATGTGCAAGAATGATGAAGGCAAAGT  
ATAGGCCACAGCATCAAAGCATAGAGCTCAAAGTGTGGTTCCTCCAGCTCCTCCATCCTGTAGTTTAC  
AGGGTGTACCCTATGTCCGGACCAATGTGACCCGAACTGCAAGTCCCCAAGGAGTAAACCTACTGCTCA  
GTACCAGTGGGAGAGGCTGGCCCATCCTCCAGGTCTTCTTTGGACCAGCCTTAGATGCTGTTCTGTGGA  
TCTTTAAAGTCACTAACCTTTCCATTGCCATGTCTGGAGTCTATGTCTGCAAGGCTCAAACAGAGTGG  
GCTTTGCCAAGTGAACGTGACCTTGGACGTGATGACAGGGTCCAAGGCTGCAGTGGTGGTGGAGCAGT  
TGTGGGCACTTTTGTGGGTTGGTGTGATAGCTGGGCTGGTCTGTGTACCAGCGCCGGAGCAAGACC  
TTGGAAGAGCTGGCCAAATGATATCAAGGAAGATGCCATTGCTCCCGGACCTTGCCTTGGACCAAGGCT  
CAGACACAATCTCCAAGAATGGGACACTTCTTCGGTCACTCAGCACGAGCTCTGCGGCCACCCAAAGGC  
TGCTCCTCCAAGACCTGGCACATTTACTCCACACCCAGTGTCTTAGCCAGGCCCTGTCTCACCAAGA  
CTGCCAGGGTAGATGAACCCACCTCAGGCAGTGTCCCTGACCCAGGTGGGGTTTCTTCTTCTGCTC  
TGAGCCGCATGGGTGCTGTGCCTGTGATGGTGCCTGCACAGAGTCAGGCTGGGTCTTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206163 representing NM\_027102  
Red=Cloning site Green=Tags(s)

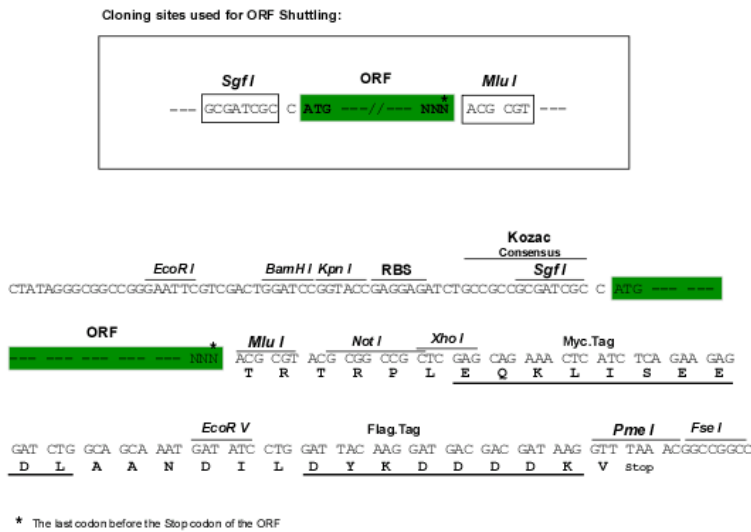
MILQAGTPETSLLRVLFLGLSTLAAFSRAQMELHVPPLNKLAVEGEEVVLPAWYTMAREESWSHPREV  
 PILIWFLEQEGKEPNQVLSYINGVMTNKPPTALVHSISSRNVSLRLGALQEGDSGTYRCSVNVQNDGKS  
 IGHSIKSIELKVLVPPAPPSCSLQGVVYVGTNVTLNCKSPRSKPTAQYQWERLAPSSQVFFGPALDAVRG  
 SLKLTNLSIAMSGVYVCKAQRNVGFACKNVTLDMVTGSKAAVVAGAVVGTFFVGLVLIAGLVLLYQRRSKT  
 LEELANDIKEDAIAPRTLPTWKGSDTISKNGTLSSVTSARALRPPKAAPPRPGTFTPTPSVSSQALSSPR  
 LPRVDEPPPQAVSLTPGGVSSSALSRMGAVPVMVPAQSQAAGSLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9018\\_g06.zip](https://cdn.origene.com/chromatograms/mm9018_g06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_027102

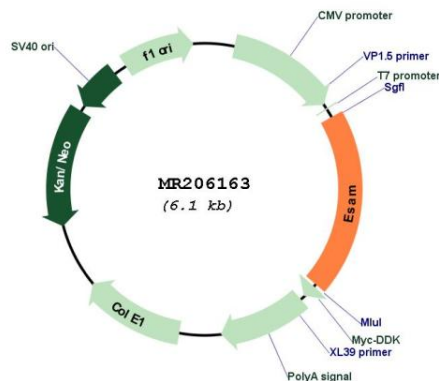
**ORF Size:** 1182 bp

**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](mailto: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](#)

<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>	<u><a href="#">NM_027102.3</a></u> , <u><a href="#">NP_081378.1</a></u>
<b>RefSeq Size:</b>	1859 bp
<b>RefSeq ORF:</b>	1185 bp
<b>Locus ID:</b>	69524
<b>UniProt ID:</b>	<u><a href="#">Q925F2</a></u>
<b>Cytogenetics:</b>	9 A4
<b>MW:</b>	42.3 kDa
<b>Gene Summary:</b>	Can mediate aggregation most likely through a homophilic molecular interaction. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR206163