

Product datasheet for **MC202308**

Esam (NM_027102) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esam (NM_027102) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Esam
Synonyms:	2310008D05Rik; Esam1; W117m
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC049249 sequence for NM_027102
 CCCTGGTCAGTAGCCTGGTTCTGTGCACATTCGGGTTGCCGCCCTCACCCACAACACCTGTAGACACC
 GTGTGTCCAACCTCCCTGAGTACTCCGGGCAAGGAGGGCCATGATTCTTCAGGCTGGAACCCCGAGA
 CCAGCTTGCTGCGGGTTTTGTTCTGGGACTGAGTACCCTTGCTGCCTTCTCCGAGCTCAGATGGAGTT
 GCACGTGCCCCCGGGCCTCAACAATTGGAAGCGGTAGAGGGAGAAGAAGTGGTCTCCCCGCCTGGTAC
 AAGGGAAGGAACCAACAGGTGTTGTCTTACATTAATGGAGTCATGACAAATAAACCTGGAACAGCCCT
 GGTCCACTCTATCTCTTACGGAATGTGCCCTGCGCCTGGGGGCACTCCAGGAGGAGACTCTGGGACT
 TACCGCTGTTCTGCAATGTGCAGAATGATGAAGGCAAAAGTATAGGCCACAGCATCAAAAAGCATAGAGC
 TCAAAGTCTGGTTCCTCCAGCTCCTCCATCCTGTAGTTTACAGGGTGTACCCTATGTCGGGACCAATGT
 GACCCTGAACTGCAAGTCCCAAGGAGTAACTACTGCTCAGTACCAGTGGGAGAGGCTGGCCCCATCC
 TCCCAGTCTTCTTTGGACCAGCCTTAGATGCTGTTCTGTGGATCTTTAAAGCTCACTAACCTTCCATTG
 CCATGTCTGGAGTCTATGTCTGCAAGGCTCAAAACAGAGTGGGCTTTGCCAAGTCAACGTGACCTTGA
 CGTGATGACAGGGTCCAAGGCTGCAGTGGTCTGAGGAGTGTGGGCACTTTTGTGGTTGGTCTG
 ATAGCTGGGCTGGTCTGTTGTACCAGCGCCGGAGCAAGACCTTGAAGAGCTGGCCAATGATATCAAGG
 AAGATGCCATTGCTCCCGGACCTTGCTTGGACCAAAGGCTCAGACACAATCTCCAAGAATGGGACACT
 TTCTTCGGTACCTCAGCACGAGCTCTGCGGCCACCAAGGCTGCTCTCCAAGACTGGCACATTTACT
 CCCACACCAGTGTCTCTAGCCAGGCCCTGTCCTACCAAGACTGCCAGGGTAGATGAACCCCACTC
 AGGCAGTGTCCCTGACCCAGGTGGGTTTTCTTCTGCTCTGAGCCGCATGGGTGCTGTGCCTGTGAT
 GGTGCCTGCACAGAGTCAAGGCTGGGCTCTTGTGTGATAGCCAGGCACTATTAGCTACATCTGGTATC
 TGACCTTTCTGTAAGGTCTCCTTGTGGCACAGAGGACTCAATCTGGGAGGATGCCACATTCTAGACC
 TCCAGTCTTTGCTCCTACCTCCTTCTATTGTTGGAATACTGGGCTCAGTAAGACTAAAATCTGGGTCA
 AAGGACAAAAGGAGGAAATGGACTGAGGTAGGGGTTGGGAGTAAGGAGGCTTCACTTCTCCCTGCTT
 CTCCTGAAGCCAGATGAATGCTGCGGAAGATCGGCTACCCTCCAAGGGCTCTGGAGGAGACTGCCAGTC
 AGTGATGCCCTGGCTCTGTGATCTGTACAACCCCTTATCTAATGCTGTCTTTGCCGTTGCTCCATC
 TCCCTGTATTAATAACCTGCTGCTGGCTGGCTGGGTTTTGTTGTAGCAGGGGATAGGAAAGACA
 TTTTAAAACCTGACTTGAATTGATGTTTTTGTTTTTATTTTGAATTTCAATAAAGATACATCGCATT
 TGCATGGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_027102

Insert Size: 1185 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](#)

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.

RefSeq: [BC049249](#), [AAH49249](#)

RefSeq Size: 1843 bp

RefSeq ORF: 1185 bp

Locus ID: 69524

UniProt ID: [Q925F2](#)

Cytogenetics: 9 A4

Gene Summary: Can mediate aggregation most likely through a homophilic molecular interaction.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the shorter transcript.