

Product datasheet for MR203139

Esam1 (BC019460) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esam1 (BC019460) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Esam1
Synonyms:	W117m, Esam
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR203139 representing BC019460 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGATTCTTCAGGCTGGAACCCCGAGACCAGCTTGCTGCGGGTTTTGTTCTCTGGGACTGAGTACCCTTG
CTGCCTTCTCCCAGCTCAGATGGAGTTGCACGTGCCCGGGCCTCAACAAATTGGAAGCGGTAGAGGG
AGAAGAAGTGGTCTCCCGCCTGGTACACGATGGCACGGGAGGAGTCGTGGTCCCACCCCGGGAGGTG
CCCATCTGATCTGGTTCTTGAACAAGAAGGGAAGGAACCAAACCAGGTGTTGTCTTACATTAATGGAG
TCATGACAAATAAACCTGGAACAGCCCTGGTCCACTCTATCTCTTACGGAATGTGTCCCTGCGCCTGGG
GGCACTCCAGGAGGGAGACTCTGGGACTTACCGCTGTTCTGTCAATGTGCAGAATGATGAAGGCAAAAGT
ATAGGCCACAGCATCAAAGCATAGAGCTCAAAGTGCTGGTTCCTCCAGCTCCTCCATCCTGTAGTTTAC
AGGGTGTACCCTATGTCGGGACCAATGTGACCCCTGAAGTCAAGTCCCAAGGAGTAAACCTACTGCTCA
GTACCAGTGGGAGAGGCTGGCCCATCCTCCAGGTCTTCTTTGGACCAGCCTTAGATGCTGTTCGTGGA
TCTTTAAAGCTCACTAACCTTTCCATTGCCATGTCTGGAGTCTATGTCTGCAAGGCTCAAACAGAGTGG
GCTTTGCCAAGTGAACGTGACCTTGGACGTGATGACAGGTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203139 representing BC019460
 Red=Cloning site Green=Tags(s)

MILQAGTPETSLRLVFLGLSTLAAFSRAQMELHVPPLNKLAVEGEEVVLPAWYTMAREESWSHPREV
 PILIWFLEQEGKEPNQVLSYINGVMTNKPGTALVHSISSRNVSLRLGALQEGDSGTYRCSVNVQNDGKS
 IGHSIKSIELKVLVPPAPPSCSLQGVVYGTNVTNLNCKSPRSKPTAQYQWERLAPSSQVFFGPALDAVRG
 SLKLTNLSIAMSGVYVCKAQN RVGFAKCNVTLDMVTGQ

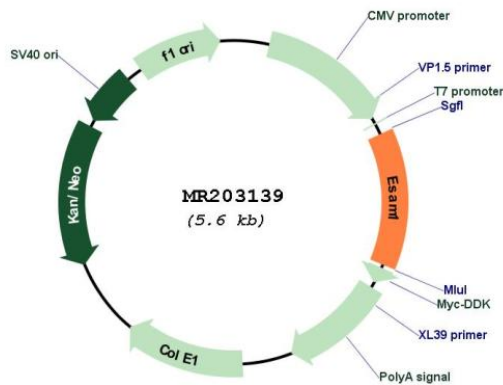
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC019460
ORF Size: 744 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:	<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:	BC019460.1
RefSeq Size:	1859 bp
RefSeq ORF:	746 bp
Locus ID:	69524
Cytogenetics:	9 A4
MW:	68.1 kDa
Gene Summary:	Can mediate aggregation most likely through a homophilic molecular interaction. [UniProtKB/Swiss-Prot Function]