

Product datasheet for **MR223491**

Esp34 (NM_001177585) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Esp34 (NM_001177585) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Esp34
Synonyms: Gm20410
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR223491 representing NM_001177585
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCATTCCCAGTGATGTGTTTTCTCCTCATTCTTGTACCATCAATGTTCACCTGAAGGAGTGG
 TTCTGAAAAAGGATCAGGAAGAACTCATTGACTCAGAAGATGAATCAATTATCTTGATTAGCTGCCAATA
 TATACAAGAATTCTTAAGAATGCTGGGAAATATTATTTTACTCCAATGACAAAGAAGTAATGTTTGAA
 AAGATAATTGATAGGATTCTTTTTTTTGTGTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223491 representing NM_001177585
 Red=Cloning site Green=Tags(s)
 MASFPVMCFLLILLPLSMFTEGVVLKDKQEELIDSEDESIIILSCQYIQEFLKNAGEILFYSDNKEVMFE
 KIIDRDFFFFVFV

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9057_a04.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001177585

ORF Size: 249 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:

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.

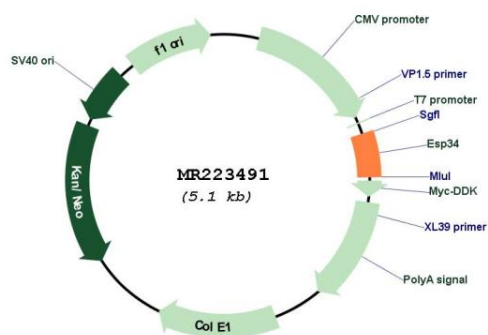
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001177585.1](#), [NP_001171056.1](#)

RefSeq Size: 1413 bp

RefSeq ORF: 252 bp
 Locus ID: 100126773
 Cytogenetics: 17 19.16 cM
 MW: 9.8 kDa

Product images:



Circular map for MR223491