

Product datasheet for **MC217195**

Sepsecs (NM_172490) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sepsecs (NM_172490) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sepsecs
Synonyms:	AA986712; D5Ertd135e; SecS; SLA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217195 representing NM_172490
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCCGGAGAGCTTCGCGGCCGGCGAGCGCGGGTGTCTCCGGCTTACGTGAGGCAGGGCTGCGAGG
 CTCGGCGCGCCACGAGCACCTCATCCGGCTGCTTCTAGAGCAGGGCAAGTGCCAGAGGATGGCTGGGA
 TGAAAGTACCCTCGAACTCTTTCTGCATGAGCTTGCAGTCATGGATAGCAACAATTTCTGGGTAATTGT
 GGTGTGGGAGAAAGGGAAGGGAGAGTGGCCTCTGCTTTGGTTGCTCGACGACATTACAGGTTTATCCACG
 GAATTGGACGATCCGGTGATATTTCTGCTGTGCAACCAAAAGCTGCAGGCTCTAGCCTTTGAACAAAAT
 TACTAATCTTTGGTGTAAATGTCATAAAGCTTGTGCTGTTTCTGACACTACGACACAAAAGCAAAAGGCCAAGT
 CCTATGGCAACTGGGATGAGTCTAACCTTGTGTTTCTGACACTACGACACAAAAGCAAAAGGCCAAGT
 ATATCATATGGCCACGGATAGACCAGAAGTCTGCTTTAAGTCCATGGTCACTGCAGGTTTTGAACCCGT
 GGTAATAGAAAACGTATTGGAAGGTGATGAGCTGCGCACAGACCTGAAAGCCGTGGAGGCTAAAATCCAG
 GAGCTCGGGCCGGAGCACATCCTGTGCCTTCATTTACCACAGCCTGCTTTGCTCCAAGGGTGCCCGATA
 GATTAGAAGAAGTGGCTGTGATTTGTGCTAATTATGACATTCCACATGTAGTCAACAACGCTTATGGATT
 ACAGTCTTCAAAGTGCATGCATCTCATTAGCAGGGGGCTCGGGTTGGTAGAATTGATGCTTTGCTTCAG
 AGCTTGGACAAAAATTTATGGTCCAGTAGGTGGTGTATAATTGCTGGCTTTAATGAGCCCTTCAATC
 AGGACATCAGCAAGATGTATCCAGGAAGAGCCTCAGCCTCGCCGCTTACAGCTCCTCATCACCTTGT
 GTCAGTGGGCTGCAGTGGCTACAGGAAGCTGTTGAAGGAGAGAAAGGAAATGTTTGTCTATTTATCCACC
 CAACTAAAGAAGTTGGCAGAGGCCACAATGAAAGACTACTACAGACACCTCACAAACCCTATATCCTTAG
 CTATGACACTTAAGACGATAGATGGACACCATGACAAAGCTGTCACTCAGCTTGGCTCAATGCTTTTTAC
 CAGACAAGTGTCTGGAGCCAGGGCTGTGCCTCTTGGGAACGTGCAAACTGTGAGTGGCCATACTTTTCGA
 GGCTTCATGTCCCATGCAGATAATTACCCTGTGCTTACCTCAATGCGGCAGCAGCCATCGGGATGAAGA
 TGCAGGATGTGGACCTGTTATAAAGAGACTTGACAAGTGTAAACATAGTAAGGAAAGAACAGACTAG
 AGCAAGTGTGTCTGGAGCTGACCGCAACAAGCTGAAGATGCGGACATTGAGGAAATGGCTTTGAAA
 CTGGATGACGTGCTTGGGGATGTGGGCCAGGGCCCTGCTCTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172490
- Insert Size:** 1515 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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: [NM_172490.3](#), [NP_766078.1](#)

RefSeq Size: 1925 bp

RefSeq ORF: 1515 bp

Locus ID: 211006

UniProt ID: [Q6P6M7](#)

Cytogenetics: 5 28.44 cM

Gene Summary: Converts O-phosphoseryl-tRNA(Sec) to selenocysteinyI-tRNA(Sec) required for selenoprotein biosynthesis.[UniProtKB/Swiss-Prot Function]