

Product datasheet for **MC205056**

Eppin (NM_029325) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eppin (NM_029325) Mouse Untagged Clone
Tag: Tag Free
Symbol: Eppin
Synonyms: 1700024E17Rik; Spinlw1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC048637
 ACTGAGAGAATCGGATGGGCGAAGGCAGCAGACATTTCCATGTTCTAGAACTACCAGCCAGGCCAGCCCC
 TCGCCAGAAATGAAGCTTTCTGGATTTGTGAGCATTCTTGTGCTATTTGGCCTGCTTGCAAGAGTCCAGGG
 ACCTAGTCTAGCTGACTTGCTGTTTCCCAGGAGATGCCCCAGATTCAGAGAGGAGTGTGAACACCAAGAG
 AGGGACCTTTGTACCAGGACAGGGACTGCCCGAAGAAAGAGAAGTGCTGTGCTTCAACTGTGGAAGA
 AATGCTTAAACCCCAACAAGATATCTGCAGCCTGCCGAAAGACTCCGGCTACTGTATGGCTTACTTTCTG
 TCGTTGGTGGTTAATAAAGAAAATAGCACGTGCCAAGTCTTCATCTATGGTGGCTGCCAAGGAAACAAT
 AACAACTTCCAATCCCAAAGTATATGCCAGAACGCCTGCGAAAAAAGCAGTCTCACCTGAACAGAGG
 ATACGCTGGGAAAATCATCAGAATTTGGCTTCTGCTCCAAGCTCTGTGTGCCTGCTGTGTGCTCCAGACT
 GGCTTCTGGAGAGCACTTTGAGCACTGCAAGACCTTGAGTCTTCCAGTTGTGGGGTCCCTAGGATACCTC
 CCCTCCCACCATGCCAGTTGCTATCCATAACACCTCCTCTGGGGTCCCCATCACTAGCCTCAGCTGCTC
 AGCACCACCGTCAAAAGCTCCCAGTTTACTTCCATGTAGCTCTCAACTTCGTTTCAGTAAAGTCTTTGGCT
 TCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: SfiI-SfiI

ACCN: NM_029325

Insert Size: 405 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).


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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: [BC048637](#), [AAH48637](#)

RefSeq Size: 807 bp

RefSeq ORF: 405 bp

Locus ID: 75526

UniProt ID: [Q9DA01](#)

Cytogenetics: 2 H3

Gene Summary: Serine protease inhibitor that plays an essential role in male reproduction and fertility. Modulates the hydrolysis of SEMG1 by KLK3/PSA (a serine protease), provides antimicrobial protection for spermatozoa in the ejaculate coagulum, and binds SEMG1 thereby inhibiting sperm motility (By similarity).[UniProtKB/Swiss-Prot Function]