

Product datasheet for **MC215180**

Esp1 (NM_001038500) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esp1 (NM_001038500) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Esp1
Synonyms:	EG619517; Gm6084
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC215180 representing NM_001038500 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACATCATTACCAGTGTGTTATTTCTCATAATTCTACTGCTGCCATCCATGATCACTGAAGGAAGGG
TTCTGACACAGACTGGAAAAGAAGCTACCATATTTGCTGATCAAAGACAAACCACGAGGCTGACTTGAA
AAACCTGACCCTCAAGAAGTACAAAGAGCCTTGGCGAGGATCCTCTGTGCCCTTGGTGAATTAGACAAG
TTGGTTAAAGACCAGGCAATGCTGGTCAACAGGAGTTTAACTGCCTAAAGACTTTACTGGCCGGAGCA
AATGTCGTTCACTAGGAAGAATCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001038500
Insert Size:	309 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).



[View online »](#)

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_001038500.2](#), [NP_001033589.1](#)

RefSeq Size: 1049 bp

RefSeq ORF: 309 bp

Locus ID: 619517

UniProt ID: [Q3LHH8](#)

Cytogenetics: 17 B2

Gene Summary: Male-specific pheromone which is recognized by the Vmn2r116/V2rp5 receptor in the vomeronasal organ (VNO) and enhances female sexual receptive behavior (lordosis) upon male mounting, resulting in successful copulation.[UniProtKB/Swiss-Prot Function]