

Product datasheet for **MC200592**

Mfge8 (BC003904) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mfge8 (BC003904) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mfge8
Synonyms:	P47, Mfgm, SED1, MFG-E8
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003904
 GAGCGCGTGGACCTTTTCCCGCGTCCCGCAGCATGCAGGTCTCCCGTGTGCTGGCCGCGCTGTGCGGCAT
 GCTACTCTGCGCCTCTGGCCTCTTCGCCGCGTCTGGTGACTTCTGTGACTCCAGCCTGTGCCTGAACGGT
 GGCACCTGCTTGACGGGCCAAGACAATGACATCTACTGCCTCTGCCCTGAAGGCTTACAGGCCTTGTGT
 GCAATGAGACTGAGAGAGGACCATGCTCCCAACCCTTGCTACAATGATGCCAAATGTCTGGTGACTTT
 GGACACACAGCGTGGGGACATCTTACCAGAATACATCTGCCAGTGCCTGTGGGCTACTCGGGCATCCAC
 TGTGAAACCGGTTGTTCTACACAGCTGGGCATGGAAGGGGGCGCCATTGCTGATTCACAGATTTCCGCCT
 CGTCTGTGTATATGGGTTTCATGGGCTTGACGCGCTGGGGCCCGAGCTGGCTCGTCTGTACCCGACAGG
 GATCGTCAATGCCTGGACAGCCAGCAACTATGATAGCAAGCCCTGGATCCAGGTGAACCTTCTGCGGAAG
 ATGCGGGTATCAGGTGTGATGACGCAGGGTGCCAGCCGTGCCGGGAGGGCGGAGTACCTGAAGACCTTCA
 AGGTGGCTTACAGCCTCGACGGACGCAAGTTTGTGTTTCCAGGATGAAAGCGGTGGAGACAAGGAGTT
 TTTGGGTAACCTGGACAACAACAGCCTGAAGGTTAACATGTTCAACCCGACTCTGGAGGCACAGTACATA
 AGGCTGTACCCTGTTTCGTGCCACCGCGCTGCACCTCCGCTTCGAGCTCCTGGGCTGTGAGTTGCACG
 GATGTTCTGAGCCCTGGGCCTGAAGAATAACACAATTCCTGACAGCCAGATGTCAGCCTCCAGCAGCTA
 CAAGACATGGAACCTGCGTGCTTTTGGCTGGTACCCCACTTGGGAAGGCTGGATAATCAGGGCAAGATC
 AATGCCTGGACGCTCAGAGCAACAGTGCCAAGGAATGGCTGCAGTTGACCTGGGCACTCAGAGGCAAG
 TGACAGGAATCATCACCCAGGGGCCCCGTGACTTTGGCCACATCCAGTATGTGGCGTCTACAAGGTAGC
 CCACAGTGATGATGGTGTGACGTGGACTGTATATGAGGAGCAAGGAAGCAGCAAGGTCTTCCAGGGCAAC
 TTGGACAACAACCTCCACAAGAAGAATCTTCGAGAAACCTTCATGGCTCGCTACGTGCGTGTCTTTC
 CAGTGTCTGGCATAACCGCATCACCTGCGCCTGGAGCTGTGGGCTGTTAATGCTCAGTCTGCCAGC
 CCAAACGATGAGGATGGCCAGAGGCTGAGGGCCCTCCTGGCCCTGCCTCCAGGCCCTGTGCCTTCTGT
 GGCTGACGACCTTCTCGGCCTTCCCTCCTGATTGACTGGGCTGGAGGCAGGAAGGGCCAGGGGATTTT
 AGAGTTGCCCTTACCCTTTCCCTCACCTGCAGCCCCACAGGCCTCCTGCTAGCCCCCTTCTCTCAGG
 CATTCTGGGGAGTTGGACAGGTCTGAGATGAATAGAGAAGAAGAGTGAAGTTGGGGTATGTGGGTATC
 TGTACCAACCACCCCAAGTCCTAAACTTCTGCCAGGGCTTGACTCAGGACTGAAGGGAGCCCTGACTG
 CCCATCCCTCTCTGCACACCACACATTCCTCCATGTTCCATTCCGGGAAGGAGAGGCCACGTCCGCTTG
 CTGTCCCTTGGGTACCAGGTCCTGCCTTATCTCCTGAGACGCCTTGTACCCTTGCAGTGGAGCCTC
 AGTTGACAAGGAGACTGGCGGTCTGGAGAGGTCGGTGGCTCTGGGTGGTTGACAGGTTGGCTGTGGGAC
 CTCTGCTGGCTTGTACCAAGTTAACAAGCAGATTCCAAATACATTCTGTTTCCACTGAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC003904

Insert Size: 1281 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: [BC003904](#), [AAH03904](#)

RefSeq Size: 1978 bp

RefSeq ORF: 1281 bp

Locus ID: 17304

Cytogenetics: 7 44.9 cM

Gene Summary: Contributes to phagocytic removal of apoptotic cells in many tissues. Specific ligand for the alpha-v/beta-3 and alpha-v/beta-5 receptors. Also binds to phosphatidylserine-enriched cell surfaces in a receptor-independent manner. Zona pellucida-binding protein which may play a role in gamete interaction (By similarity). Plays an important role in the maintenance of intestinal epithelial homeostasis and the promotion of mucosal healing. Promotes VEGF-dependent neovascularization.[UniProtKB/Swiss-Prot Function]