

Product datasheet for **MC200915**

Mfng (NM_008595) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mfng (NM_008595) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mfng
Synonyms:	AW546563
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010983 sequence for NM_008595
 CCACGCGTCCGGCCGGCTGGCAGGACGGTGGTGGCTCAGTCTCTGGGTCCAGAGACCCAGCTTCCTCCTT
 TCCCGTCGGTGTGTGCCCCCGATGCCTGCCAGACTTTTGCCTGTACCAGGGCCCCCTCTGACCAGCCTC
 CCACCCAGACTGATTGGGGAGTCGGGGCTGAACTGTCTGGGGCTGTACCAATGCACTGCCGACTT
 TTTGGGGCATGGCGGGAGCCCTCTTACCCTCCTGTGCGTGGGGCTCCTGTCTCTACGATACCACTCAA
 GTTTGTCCCAGAGGATGATACAGGGCGCCTCAGGTGAACCAACGGAACCCAGGACCCCTGGAGCTGCA
 GCTAGGCGACATCTTCATCGCAGTCAAGACTACCTGGGCCTTCCATCGCTCCCGCTGGACCTGCTACTA
 GACACGTGGGTCTCCAGGATCAGGCAACAGACATTTCATCTTCACTGACAGCCAGATGAACGCCTCCAGG
 AGAGACTAGGCCCGCACCTCGTGGTCACCAACTGTTCTGCAGAGCACAGTCATCCTGCTCTGTCTGCAA
 GATGGCTGCAGAGTTCGATGCCTTCTTGGTCAGTGGCCTCAGGTGGTCTGCCACGTGGATGATGACAAC
 TATGTGAACCCCAAGGCTCTGCTGCAGCTGTTGAAAACATTCCCGCAGGACCGTGTGTCTATGTGGCA
 AGCCAGCCTGAACCGCCCATCCACGCCTCTGAGCTGCAGTCAAAAAACCGCACGAAGCTGGTGCGGTT
 CTGGTTTGCACAGGGGTGCTGGTTTCTGCATCAACCGCAACTGGCTTGAAGATGGTGCATGGGCC
 AGCGGCTCCCACTTTGTGGACACTTCTGCTCTCATCCGGCTCCCGATGACTGCACTGTGGCTACATCA
 TCGAGTGAAGCTGGGGGTGCGCTGCAGCCAGCCCTCTTCCACTCACACCTGGAAACCTGCAGCT
 GCTGGGGCTGCCAGCTTCCGGAGCAGTCCACCTCAGCTACGGTGTCTTTGAGGGGAAACTGAATGTC
 ATCAAGCTACCGGCCCTTCTCCCATGAAGAGGACCCCTCCAGATTCCGCTCCCTCCATTGTCTCTCT
 ACCCAGACACACCCTGGTGTCCGCTGCTGGCAGCGCCCTGAGCTCTGAACTGCCGCAAAGGATGATGGAT
 GCTACTGCCTGACCACTCCCTCACCTCCCAAGCAGTCTGAGGGCTCTCAGTCCAGTGCACACTGGCAGA
 TGGTCCCTGGCAGGGCTCTGGGTGACAGGAAAGGCTACGATATGGACACTGCTTGGTGTGAGGGTGTCT
 TTGGGCTGGTCATACCACAGAGGGCGCAGGAACGCTTGAAGTGGTGTGAGGGGGATAGGGTCTCTCA
 CCCTCTGAGGGTACATGTCCCTGCATGGAATCTAGCCTCTGGCTTTGGCCTCAGTCATTCTTAGAG
 ACTAGATCATTGGGAGAAGGCCAGGGTCTGTGACCTGCGGCTGTGGAAGTGGTCTCAGCTCCTGCTGGC
 GCTGCTCAGTGGCCAAATGGACCTAGACTTTAGAAGCCCAAGGCTCAGGTGCCAATTGCAACCGACCT
 TTGGTCACTGTCCAGCCTTCTCTGCTGTGAGGAGCTGCCATGTGACCCAGTGGAACTGAGCAAAGCCAA
 TAGAAGGGTTTCTGGAATACATCCAGCCCAAGACCCATCTTCTACTATGAATGTGGGTGTGACGGC
 TGAATCTGGGAAACTACTTTGGCACCATGAAGGAAAGGCCAAGACAATCTAAAGTTGTTCTCCCTAAACA
 CCTCATCTGTAAGAAATTAACCTTTATTTAAGTCTCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008595

Insert Size: 966 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: [BC010983](#), [AAH10983](#)

RefSeq Size: 1877 bp

RefSeq ORF: 966 bp

Locus ID: 17305

UniProt ID: [O09008](#)

Cytogenetics: 15 37.69 cM

Gene Summary: Glycosyltransferase that initiates the elongation of O-linked fucose residues attached to EGF-like repeats in the extracellular domain of Notch molecules. Modulates NOTCH1 activity by modifying O-fucose residues at specific EGF-like domains resulting in inhibition of NOTCH1 activation by JAG1 and enhancement of NOTCH1 activation by DLL1 via an increase in its binding to DLL1.[UniProtKB/Swiss-Prot Function]