

Product datasheet for MC208041

Rfng (NM_009053) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rfng (NM_009053) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Rfng
 Synonyms: MGC90122
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC208041 representing NM_009053
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAGCCGTGCGCGGGGTGTGTGCCGGCCTGCCTCGCGCTGGCCGCGTCTGGTGTGTGCTGC
 TACTGCCGCTGCCGTACCGCTGCCGCTGCCTCGCGCCCGCACCGACCCCGATCGGGTCCCGACCCG
 GAGCCTGACCCTCGAGGGAGACCGCTGCAACCCGACGAGTCTTCATTGCAGTCAAGACCACTCGGAAG
 AACCCAGGCCCGCGCCTGCGGCTGCTGCTGCGTACCTGGATCTCACGAGCCCGACGGCAGAGTTTCA
 TCACCGATGGAGACGACCTGAGCTCCAGATGCTGGCAGGCGGCCGATGATCAACCAATTGCTCTGC
 TGTGCGCACCCGCAAGCACTGTGCTGCAAAATGTCGGTGAATATGATAAGTTCCTAGAATCTGGACGA
 AAATGGTTCTGCCACGTGGATGATGACAACTACGTGAACCCAAAAGCCTGCTGCACCTGCTTTCCACCT
 TCTTTCAACCAAGGACATCTACCTGGGGCAGCTAGCCTGGACCACCCCATCGAAGCCACAGAGAGGGT
 CCAAGGCGGTGGCACCTCAAACACAGTAAATTTGGTTTGTACTGGTGGGGCTGGGTTCTGCCTGAGC
 AGGGCCCTTGGCCTCAAATGAGCCCGTGGGCCAGCCTTGGCAGTTTCATGAGCACAGCAGAGCGGGTTC
 GGCTGCCTGATGACTGCACTGTGGATACATCGTGAAGGACTTCTGGGCCCCGCTGCTCCATAGCCC
 CCTGTTTCACTCGCACCTGGAAAACCTGCAGAGGCTGCCGTCTGGTGCTATTTTGCAGCAGTTACCTTG
 AGCTATGGGGTCTGAGAACCACATAATGTGGTGAATGTAGCTGGCAGTTTCAACATACAGCAGGACC
 CTACACGGTTTCACTGTGCACTGCCTTCTCTACCCAGACCCCACTGGTGTCTATGAAGAACAGGGT
 TGAGGGAGCTTTCCAGTAA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_009053



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Insert Size:	999 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:	<ol style="list-style-type: none">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:	<u>NM_009053.2</u> , <u>NP_033079.1</u>
RefSeq Size:	2141 bp
RefSeq ORF:	999 bp
Locus ID:	19719
UniProt ID:	<u>O09009</u>
Cytogenetics:	11 84.53 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 enhancement of NOTCH1 activation by DLL1 and JAG1 (PubMed:28089369). May be involved in limb formation and in neurogenesis (By similarity).[UniProtKB/Swiss-Prot Function]