

Product datasheet for **SC210963**

Manic Fringe (MFNG) (NM_002405) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Manic Fringe (MFNG) (NM_002405) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: MFNG
ACCN: NM_002405
Insert Size: 930 bp
Insert Sequence: >SC210963 3'UTR clone of NM_002405

The sequence shown below is from the reference sequence of NM_002405. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCCGAAAGATCGCCGTG
TAAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCTGGTGTCCCCAGCTGGGTGCCCGATGATCCTGAACTGCTGGGCAAAGTTGGGCAGAGACTTCTG
GGTGTGCCTTGGCTCCCAAGGTGGCACTGTGGGTCCCTGGCAAGTGTCTTGTGATAGGCAGTCCCTGGC
AGGGCCTTCGGGTGGTTGGCAAGCCAGGATCTGAGTGGCAATTGGCACTGAAGGCACCCAGGCCCT
GGGAGGTGAGTTAGACAGCCCAGGGGACCAGGTGGACCAGGTGGTGGCCAGAGAGCTCCAGGGGCTAG
ACTCCCTCAGGAGGCTGAATTGAAAAAGGGCAGGGGGCACTTGAGCTGGGCTGGGGCTCAGGGGTCTTA
ACCCTTTAGGCAGTGACATGGCCTCTGGGTGGGGTCTGGCCGTTGGCCCTGGCTAATGTCTCTCAGTCA
TTCCCCTGGGGCTCAAGCGCTGGGCCGCCCACTCCTGCCTCCCTCATCTGTGTCCCGAGTTCCTGAAGG
GACATGGGTGGAATGATGGCAGAATCCAGGGTCTGCAGCACCTGCTGTTGTTGCCAACAGTCTCCCAA
AGCTCCTTGCTCCCCACCCCTTGCGAACAGGACCAGATTTTGTGGAGCCTCAGCATGCCGGGGCCCA
GATGATGGAGCATAACGGGTCCCAGCCAATTGTGATGATCCTTTTGTCTATTTCCAGCCTTTCTTGC
TGTTAGGGGCTACCATGGGACCAGCTCTGGCCAGAGGGAACCAAGCAAATCCAATAGAGATGTTTCTGG
GGAAGGTTTTGCAGCCCACTCCCATCTTCTGCTATAAATGTGGGTGTGATGGCTGGATCTGGGCAG
CCACCTTGCTACCATGAAGGAAAGGCCAAGACAATCATCCACAGCTATTCCTCCAGCATCTGGTCTG
TACAAAAATTAATGCTTATTTGTTAAGTCTC
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_002405.4</u>
Summary:	This gene is a member of the glycosyltransferase 31 gene family. Members of this gene family, which also includes the LFNG (GeneID: 3955) and RFNG (GeneID: 5986) genes, encode evolutionarily conserved glycosyltransferases that act in the Notch signaling pathway to define boundaries during embryonic development. While their genomic structure is distinct from other glycosyltransferases, these proteins have a fucose-specific beta-1,3-N-acetylglucosaminyltransferase activity that leads to elongation of O-linked fucose residues on Notch, which alters Notch signaling. The protein encoded by this gene may control Notch signaling in claudin-low breast cancer. [provided by RefSeq, May 2018]
Locus ID:	4242
MW:	33.3