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Product datasheet for MC219353

Mfrp (NM_147126) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mfrp (NM_147126) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mfrp
Synonyms:	rd6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC219353 representing NM_147126
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGACTATGACGACGTCATCCTCCGTCCAGAGGCGAGTGAGTTGAGCAAGACAGAGTTCTGTAATC
CTGCTTTCGACCCGGAAGCAGGGCCATCCTGCCCTCCACCAGCGTTACAGAGGGATGTCGGCAGCCGGCT
CCAAGCCCCCTGGCATGCCCAGCGTCTCCGGGGGCTACAGCCCGACTGCCACTTCTCCTGGTTCTGTATT
CTGCTTCTCAGTGGCCTGCTGCTCCTGCTGCTGGGGCTACTGGTGGCTGTCATCCTGGCTCAGTTGCAGG
CTACATCCCTCCCCAGGACTACCAAGAACCCACTGCTCACCCGAGGCCTCACCCCCATGGGTGTCATTCC
CAGCACCACCCCTAACACCACCACCACCACCACCACTACCACCCCAGCAAGGACAGGGCAGCAGGAGGCA
GCCATGAGCCCTACACACCAGACCACCTGTGGAGGCCTCCTTCCTGGTCCCAGTGGTTTCTTCAGCAGCC
CTAACTACCCAGACCTCTACCCACCCCTCAGCCACTGTGTCTGGCATATCCAGGTAGCCGCGGGCCAGAC
AATACAGCTCAAGATTCAAGCCCTCAGCATAGAGAGTATGCTCACCTGTCTTTTTGATCGCTTGGAAATT
ATCTCAGAGCCTACAGGCCCTCTCCTCAGGGTGTGTGGTAAAACACCTCCTGCCACATTAAACACCAATA
CCAGCCACCTCCGTGTGTCCTTCGTCTCTGATAACGATGTGGAAGGGTCTGGTTTCCAGGCCTGGTACCA
AGCAGTGGCCCCTGGACATTGGAGCTGTGCCCATAATGAGTTCCACTGTGACCTTCTCCTCTGCCTGAAG
CGTGACTCTGTATGTGACGGTATTACCGAGTGTGCCGATGGCAGTGACGAGGCCAACTGCAGTGCCAAGA
CGTTGGGGTGTGGAGGGAACCTGACTGGGCTCTATGGCGTATTCTCTACCCCAAACTATCCACAGCACTA
CCCTCACCAACAGCTTTGCACCTGGTACATCGAAGTGCCTGTGGGATACGGGATAAGACTGGAGTTCCAC
AACTTCAGTCTGGAAGCACAGGCTGAGTGCAAGTTTGACTACGTGGAAGTGTACGAGGCCAGCAACCTGG
GAACCTTCAGCTTCCTGGGCAGGTTCTGTGGAGCAGAGCCACCACTCAACGTTGTCTCCTCGATGCACCA
GCTGGCTGTAATCTTCAAGACGGATCTTGGTATCAGCAGCGGGGGCTTTCTAGCCACCTACCAGGCCATC
AATACTACAGAGAGTGGGTGTCCCTGGGCAGAGTTCTGCCAGAGCGGAGGATATAGGGATCTGCAATGGA
TGTGTGACTTATGGAAAGACTGTGCAAATGACAGCAACGACAACTGCAGCAGCCACTTGTCCCCACAACC
AGACCTGACCTGTGAACCTGTCCAGGTGGAGATGTGCCTTGGACTAAGCTACAATACCACGGCCTTTCCT
AACATCTGGGTGGGCCTGGCCACGCAGACAGAGGTGACAGACATCCTCCGAGGCTACAAGAGTCTGACAA
GTCTACCCTGCTACCAGACTTTCCAGAGGTTCCTCTGTGGACTGCTTGTGCCTCGATGCACCTCACTGGG
CACTATCCTACCCCCTTGTCGTTCCGTCTGCCAGGCGGCGGAGCAGCAGTGCCAGTCTAGCCTGGCATTA
TTGGGCACCCCCTGGCCTTTCAACTGCAACAGGCTGCCCGTGGCAGCTAGCCTGGAAGCTTGCTCCCAGC
CCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_147126

Insert Size: 1755 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:	NM_147126.3, NP_667337.1
RefSeq Size:	4292 bp
RefSeq ORF:	1755 bp
Locus ID:	259172
UniProt ID:	Q8K480
Cytogenetics:	9 24.6 cM
Gene Summary:	The protein encoded by this gene contains a region with similarity to the cysteine-rich domain (CRD) of frizzled, a gene originally found in Drosophila that controls tissue polarity. This protein functions in eye development, where it is necessary for the maintenance of photoreceptor outer segments. Mutations in this gene cause retinal degeneration 6 in mice, which gives rise to a mouse model for human retinitis punctata albescens. Bicistronic transcripts composed of the coding sequences for this gene (Mfrp) and the C1q and tumor necrosis factor related protein 5 gene (C1qtnf5) have been identified, and the resulting products can interact with each other. Co-transcription of C1qtnf5 and Mfrp has been observed in both human and mouse. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).