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Product datasheet for MC211734

Pifo (NM_029604) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pifo (NM_029604) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pifo
Synonyms:	1700027A23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC211734 representing NM_029604
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACACGGAGGAAATACCGGTTGCTCCTCCGCTCCGTGGAGTTACACCTGCTTTACAATGGAAGGTGA
ATAATTACTCCTTTGGAACACGTCAAGCGAGGAAACTCTTTCCTCACTACCATCCCCCAACCTGGCTGGG
GAACCTGTATCTCCCTCTTAGGGGAATGCCCCACACAGGCCCTGGGTGTTATGCAGCAGCAACAGATTGG
AATGGTTTGGCATATAATCTATCGAAAGTCCCAACCAGTACGAAAGGCTATGCTATTGGAGCCAGGACAG
CTGTGAGGTTTAAGCCAATCAGCAAGGATGTGACACCATACCCAGGGATGTATCAGAAAGTTGATACTTT
GAGTGAAAAACACAAAAAAAGCTTTGCTCCATTTAATATCTTGATGCCTCGATTTAGGAGTGCAGCAAAG
GGTGATTCTTACCCCGGCCCTGGCACATACAATCCAGAGATGAAGTCAGTCCCAAAAGTTACTTGGCCAA
TGAAATTTGGATCTCCAGACTGGTCTCAGGTTCCATGTCTAGAGAAAAGGACTCTAAAGGCTGAGCTGTC
CGCAGACAAGGACTTTAGAAAGCATCGTAGCCGTGTGGCCTACTTTAGCCTATATTACCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_029604
Insert Size:	624 bp

View online »

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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_029604.3, NP_083880.2
RefSeq Size:	925 bp
RefSeq ORF:	624 bp
Locus ID:	100503311
UniProt ID:	Q9D9W1
Cytogenetics:	3 F2.2
Gene Summary:	During primary cilia disassembly, involved in cilia disassembly. Required specifically to control cilia retraction as well as the liberation and duplication of the basal body/centrosome. May act by stimulating AURKA activity at the basal body in a cell cycle-dependent manner. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than isoform a.

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